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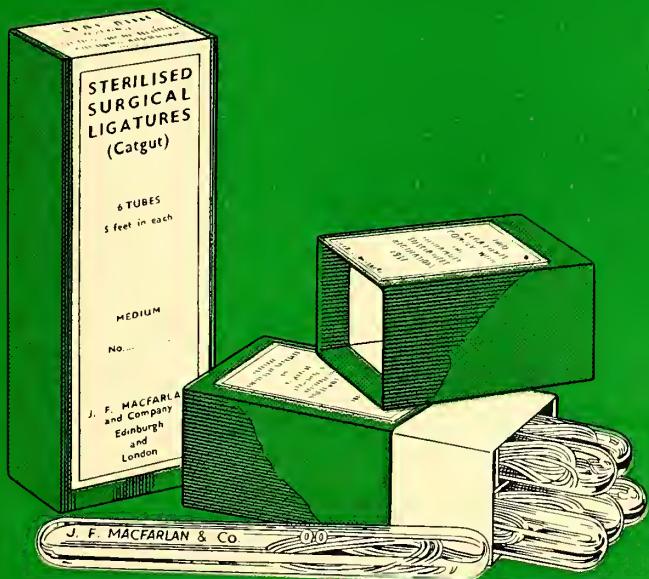
Registered as a Newspaper

No. 3070
VOL. CXXIX

DECEMBER 10, 1938

Annual Subscription (with
Diary) 20/- Single Copies 9d.

STERILIZED SURGICAL LIGATURES (CATGUT)



A NEW TECHNIQUE IN THE
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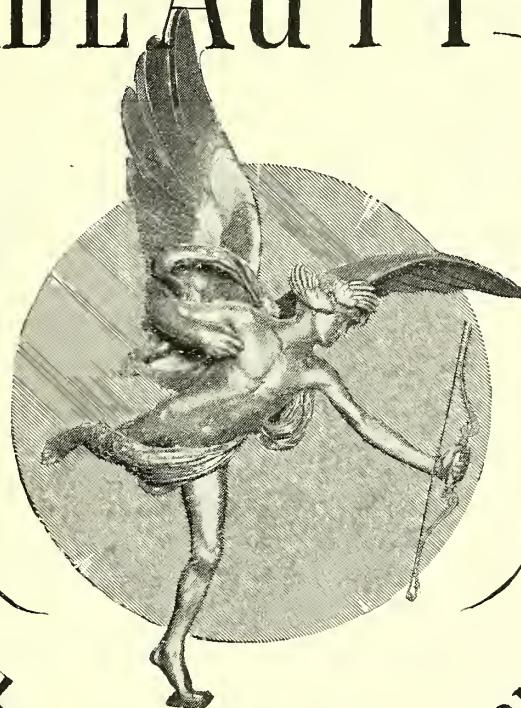
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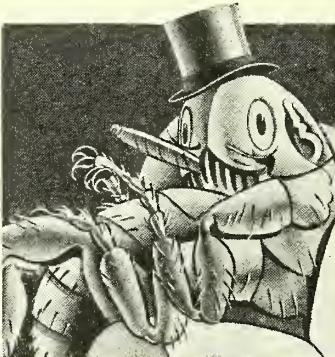
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CAN YOU DO WITH A GOOD (BUT NOT TOO GOOD-LOOKING) UNPAID ASSISTANT?

THAT'S just what CTENOCEPHALIDES CANIS—that dirty dog flea—is in chemists' shops throughout the land.

WEEK BY WEEK in the dog papers he's busy selling the idea of the Cooper Health Routine to dog owners and breeders—the simple routine that keeps dogs free from worms and otherwise fit and happy. It gives you chemists three sales instead of one and nine times the profit in the year, for it sells you Pulvex and Cooper's Vitamin Ration regularly, as well as the occasional bottle of Cooper's Liquid Worm Remedy.

THAT DIRTY DOG FLEA is called in on the job because he's responsible for 87% of tapeworm infections. The Cooper Health Routine is to



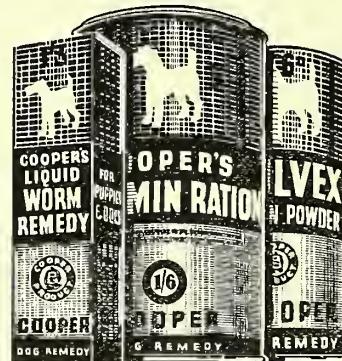
A recent studio portrait of Signor C. X. O'Cecephalides Canis

blot him out with Pulvex—no flea can live on a Pulvex'd dog within a week of your dusting him—which puts paid to tapeworms; and to prevent the eating of excrement—the main cause of roundworms—by giving the dog Cooper's Vitamin Ration on his main meal every day. Its vitamins A, B, and D, plus iodine and the vital mineral salts, build up his resistance to all other infection too.

IF YOU HAVEN'T a vet. counter already, you'll find the Cooper Health Routine an excellent thing to start with and a dependable mainstay. Display these Cooper products in your window and on your counter and get your share of the £ s. d. which that dirty dog flea is pulling to the trade.

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Gives you Chemists
3 SALES INSTEAD OF 1



PULVEX VERMIN POWDER
6d. and 1/3 sprinkler tins

COOPER'S VITAMIN RATION
1/6, 2/9, and 4/6

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TRADE TERMS—less 33½% and less 5% cash monthly

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Collosol IODINE

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PERFECT
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LTD*

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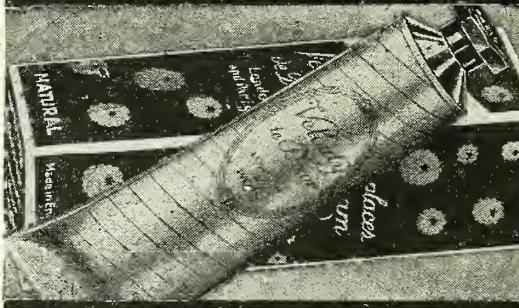
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P. 841/48 " " " " " 8/- " "

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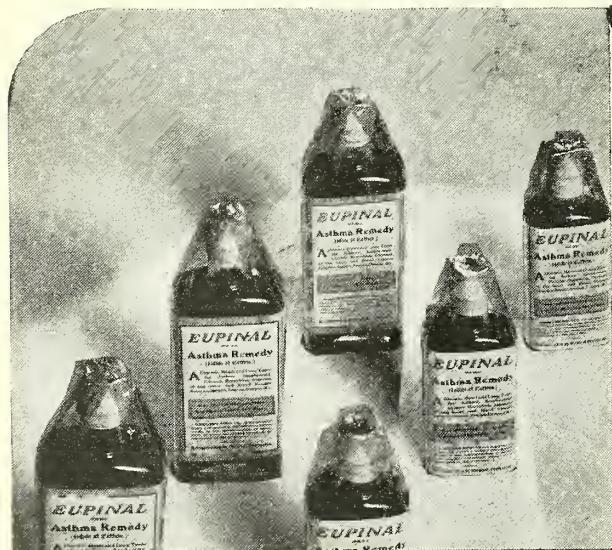
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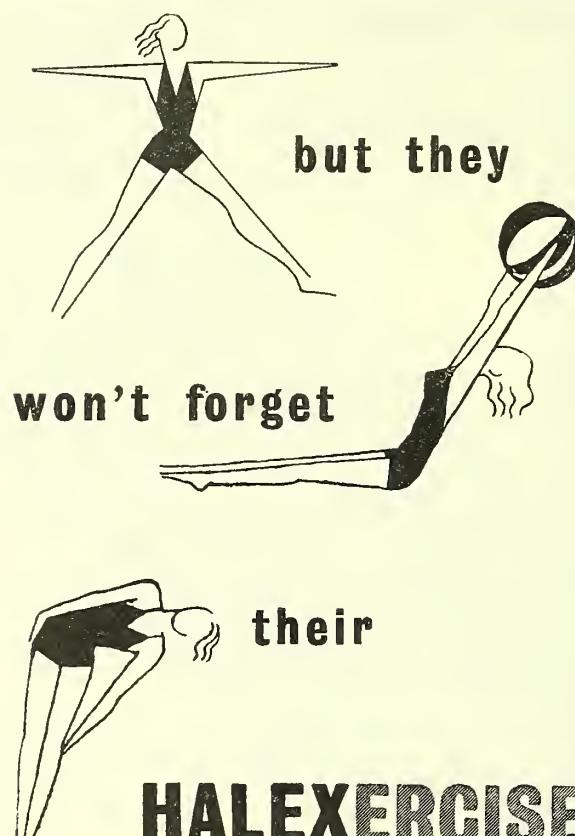
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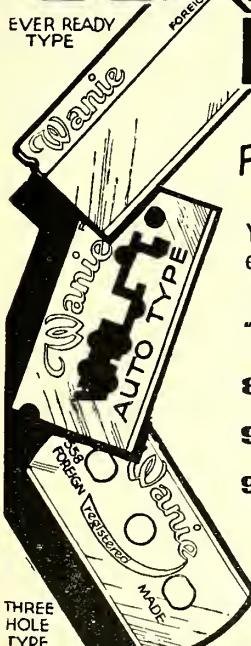
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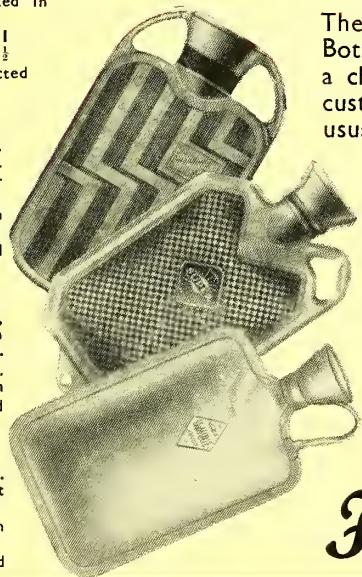
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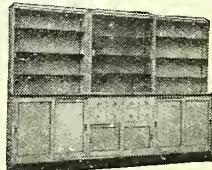
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News of the Week

Business Changes

MR. B. R. VENESS, Ph.C., has taken over the business of Mr. R. Margetts, M.P.S., 103 Saint Giles' Street, Norwich.

VICTOR LATTY, LTD., chemists, have opened new premises at 10 Colton Street, Bristol, I.

Proprietary Articles Trade Association

ADDITIONS TO AND ALTERATIONS IN PROTECTED LIST.—E.N.T. Manufacturing Co., Ltd., E.N.T. lemon barley water, new size, 7½d., 5s. 7½d. doz.; large size, 1s. 9d., 15s. 9d. doz.

COUNCIL ELECTION RESULTS.—Counting of voting papers for the election in the Retail Section of the P.A.T.A. took place on December 5. The results were: Mr. H. H. Marshall, 2,164; Mr. N. N. Armitage, 2,071; Mr. J. E. French, 1,842; Mr. J. Milner, 1,776; Mr. T. Berry, 1,104; Mr. H. Craven, 949. There were four vacancies; the first four candidates were therefore declared elected. 10,008 voting papers were sent out; 2,800 were returned and twenty-three disallowed. As previously stated (*C. & D.*, November 12, page 530), there were no contests in the Manufacturers' and Wholesale Sections.

The following statement has been issued by the P.A.T.A.:—

Retail distributors have become increasingly concerned at the development of establishments which, while conducting or purporting to conduct a wholesale business, are at the same time actively building up a substantial trade with members of the public whom they claim to supply at wholesale prices. Competition from such concerns is felt to be particularly unfair in the case of goods sold widely under manufacturers' brand names, since it gives rise to unfavourable comparisons between the recognised retail prices and those charged by the concerns referred to. This problem has recently been the subject of consideration by special committees of the Drapers' Chamber of Trade and the Retail Distributors' Association, which have acted in collaboration and with the advice and assistance of other trade organisations. The manufacturers and/or suppliers of a large number of branded goods, which the Committees had reason to believe were being sold to the public by certain wholesale warehouses, were approached with the request that they should take the necessary action to safeguard the interests of *bona fide* retailers. Ninety-two of the firms approached have already undertaken to cease supplying their branded products to the wholesalers complained of. The campaign is being continued and will not be relaxed until the policy outlined in this statement has become firmly established in the retail trade. So far as proprietary articles sold by chemists and protected by the Proprietary Articles Trade Association are concerned, the P.A.T.A. have taken active steps to ensure that the provisions of the Association's rules dealing with these forms of irregular trading are enforced. The rules in question prohibit the supply by wholesalers and manufacturers of P.A.T.A. goods to "staff buying organisations in banks, insurance offices, telephone exchanges, Government, municipal

or council offices or similar organisations." The rules also prohibit the supply of P.A.T.A. goods by wholesale to any person who is not known to the supplier to be carrying on a genuine business, whether retail or wholesale, and to be observing the conditions enforced under the Association's rules.

Chemists' Mutual Insurance Co., Ltd.

The sixteenth annual report of the directors of the Chemists' Mutual Insurance Co., Ltd., just issued (for the year ended September 30), states that the uniform increase in premiums which has been a feature of the progress of the company since its inception has been fully maintained. Members have been able to insure at premiums approximately 20 per cent. below normal tariff rates, and have shared in periodical bonus distributions, including an amount during the past year of nearly £1,300. Claims in the fire and employers' liability accounts have continued to be considerably lower than the normal claims ratio of insurance companies, being 28 per cent. for fire and 22 per cent. for employers' liability. The amount paid in respect of burglary claims (nearly £2,000) approached more nearly, however, to the normal claims ratio of other companies; This high figure is attributed mainly to heavy camera stocks, burglaries of this class of stock during the past year having been very frequent, the majority of them following actual breaking-in of premises. In one instance nearly £400 of stock, at cost price, was taken from a member's shop. The directors urge that present-day conditions make burglary insurance a necessity for almost every chemist. The year was successful financially, and although nearly £1,300 was deducted from premiums for bonuses, and provision made for income tax and national defence contribution, the funds increased from £36,258 to £38,189. Apart from statutory reserves for unexpired risks, additional reserves amounting to £3,000 were added to the funds of the respective revenue departments and substantial transfers made to profit and loss account. The close of the year coincided with the European crisis, when there was a considerable depreciation in all classes of securities, yet the market value of the company's investments at the close of the year was within £500 of the actual cost price. The surplus funds over statutory reserves now total £34,650, or more than ten times the statutory amount required. The directors are continuing the re-insurance treaty with Lloyds, to provide additional security.

Social Events

BENEVOLENT FUND DANCE.—Brighton and Hove Branch of the Pharmaceutical Society held a dance at the Grand Hotel, Brighton, on December 1, when over 100 dancers took the floor. Mr. A. J. Franklin (chairman of the branch) acted as M.C.

CONTENTS

See p. 643

SUPPER.—The Coventry Branch of the National Pharmaceutical Union held a social evening recently. Supper was served, and afterwards members were entertained with songs and recitations by Messrs. Wood and Harold Wagstaff, Mr. Hubert Wagstaff accompanying. Mr. W. A. Bales (chairman of the Branch) presided.

WHIST DRIVE.—A whist drive, arranged by the ladies' committee of the Portsmouth Branch of the Pharmaceutical Society in aid of the Society's Benevolent Fund, was held at Southsea on December 1. About 250 players took part, the prizes being presented by Miss Xarifa Darling (ladies' chairman). The chairman of the branch (Mr. H. A. Mecoy) briefly thanked all who had worked for the success of the evening. The secretarial duties were carried out by Mrs. W. Murray and Mr. W. R. Atterbury was M.C.

CIVIC DIGNITARIES AT WHIST DRIVE.—The Torquay Branch of the Pharmaceutical Society held its annual whist drive and dance recently. The function was attended by the Mayor and Mayoress and Deputy Mayor and Mayoress. During the interval the civic dignitaries were officially welcomed by Mr. G. A. Clarke, after which the Mayoress presented whist prizes to the following:—Mrs. Freeman, Mrs. Farley, Miss Turner, Miss Fox, Mrs. Williams, Mr. Gibb and Mr. Lansdell. The arrangements were carried out by Mr. H. Holmes, assisted by a committee. Mr. H. H. Gale acted as M.C. for dancing and Mr. T. D. Evans for whist.

STUDENTS' CONCERT-PARTY SUCCESS.—Entertainment at the annual smoker of the Wembley Branch of the Pharmaceutical Society, which in previous years had been provided by professional talent, was on November 30 in the hands of Mr. V. P. A. Gelli and his "Cyanides" (London College of Pharmacy concert party). The "Cyanides" gave a three-hour performance that sparkled with wit and delighted everybody with its originality. The concert opened at 8.45 before an audience of some 200, and twenty-two different "turns" were put on before the conclusion at midnight. The items included a sketch showing how the 1941 B.P. was being prepared; a radio problem play and interpretations of the methods of Archimedes, Avogadro and other famous scientists. Members of the Council present (Messrs. McNeal, Wells, Howells and Young) were subjected to an "intelligence test." All material used by the "Cyanides" was original, the music being written or arranged by Mr. G. T. Collins and the lyrics and sketches by Mr. V. P. A. Gelli, who produced and *compèred* the show. He was supported by the Misses Overy and Williams, and the Messrs. Vinall, Tapsfield, Marshall, Nix, Jones and Turvey. The "Cyanides" brought their own electrician, property man and stage manager in the persons of Messrs. Griffin, Leonard and I. G. Rankin. Mr. C. B. Gosling (president of the Wembley Branch) was in the chair. As a result of the concert, about £20 will be handed to the Society's Benevolent Fund. The "Cyanides" offer their services for similar functions elsewhere.

Birmingham

DANCE.—Birmingham Pharmaceutical Association held a dance at the Botanical Gardens, Edgbaston, on November 30th, when nearly 200 members and friends were present. Mr. Maurice Smith, jun., was M.C. The dance programme was varied and included waltzes, quicksteps, foxtrots, Lambeth Walk, St. Bernard's waltz, Palais glide, and the military two-step. Prizes were won by Mesdames Rendall and Mason, Miss Dean and Messrs. Caldicott, Stutely, Crawshaw and Mason. Dancing continued until 1 a.m.

ANALYST'S REPORT.—The report of the city analyst for the third quarter of the year shows that during this period 1,383 samples were examined, of which fifteen were bought formally and 1,368 informally. The total number of drugs examined was fifty-two of which six were found to be incorrect. Two samples of cream of tartar were found to contain tartaric acid, one 3.2 per cent. and the other 3.6 per cent. A caution was issued in both instances. A sample of cod-liver oil and malt extract tested contained nitrogen equivalent to 3.9 per cent. instead of 4.5 per cent. A caution was issued. Of three samples of seidlitz powder analysed two consisted of extra strong seidlitz powders, and the other contained an excess of 10.2 per cent. and 19.7 per cent. in the blue papers examined and an excess of 18.4 per cent. and 16.8 per cent. in the white papers. No action was taken in any of the three cases.

Leeds

CASTLEFORD MEMBERS PRESENT AT N.P.U. MEETING.—The first meeting of the session of the Leeds Branch of the National Pharmaceutical Union was held on November 17, following a supper to which ladies and members of the Pontefract and Castleford Branch has been invited. Mr. W. F. Kemp presided. Mr. T. Heseltine recounted the various ways in which the Union was willing to relieve members of work and worry. He reminded members that they had to thank the N.P.U. for the removal of the discounting clause from the N.H.I. contract and that a new formulary would be issued in March. The Chemists' Friends scheme was "forging ahead" and would have to be placed on a new basis before long, but it was not supported as it should be by the Pharmaceutical Society because a large number of the members of the Council were not engaged in the retail trade. Although the chairman of the retail section of the Proprietary Articles Trade Association was strongly pro-C.F., that body as a whole was not sympathetic to the movement. Mr. Heseltine said he was sorry that Mr. Armitage was not present to explain why articles had been admitted to the P.A.T.A. list showing only 20 per cent. retail profit to small buyers. It was unanimously agreed that the following resolution should be sent to the N.P.U. Executive: "That the sale of all B.P. and B.P.C. preparations should be restricted to qualified chemists."

London

LECTURE TO TOC H.—Mr. Cyril Downing, M.P.S., addressed Toc H at Highgate recently on "The Work of a Chemist."

ST. ANDREW'S NIGHT DANCE.—The Wimbledon Branch of the Pharmaceutical Society held a successful St. Andrew's Night dance on November 30. The proceedings were enlivened by an eightsome reel by some of the Scottish members. Many competitions were included in the programme, the prizes for which were presented by Mrs. A. I. C. Weston (wife of the president). The arrangements were in the hands of the social committee, of which Mr. J. R. Stewart is chairman and Mr. K. C. Pretty social secretary.

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS.—A meeting of the Association was held on December 1, the president (Miss Blundell) in the chair. Dr. Mildred Creek gave an address on "The Use and Abuse of the Bottle of Medicine." Dr. Creek said mankind had progressed from the time when the remedy was the most dramatic part of the treatment to the time when, in many cases, it was the least dramatic. A vote of thanks was proposed by Mrs. Skinner and seconded by Miss D. M. Jones.

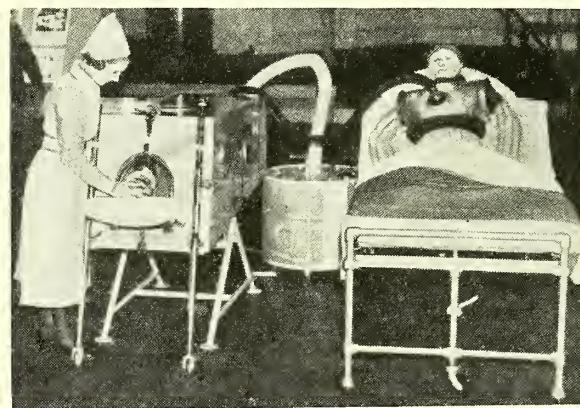
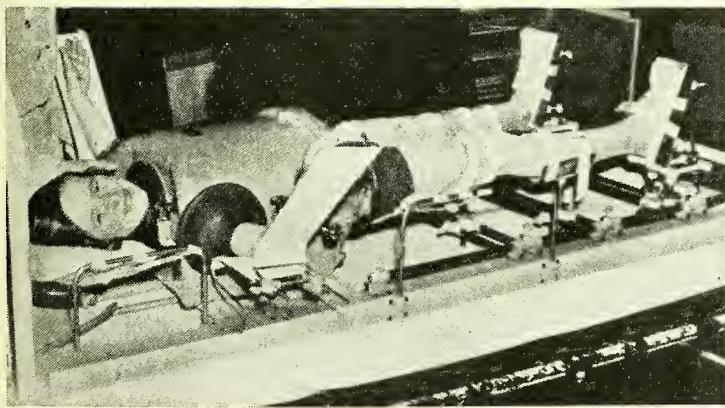
STUDENTS' DINNER.—The Square Association, the reconstituted School of Pharmacy of the Pharmaceutical Society Students' Association, held its annual dinner and dance at the Trocadero Restaurant, W.1, on December 7. Mr. H. N. Linstead (secretary) occupied the chair, and the principal guest was Mr. W. W. Wakefield, M.P., M.P.S. Mr. Nixon (this year's Bell scholar) proposed "The Pharmaceutical Society," coupled with the name of Mr. Thomas Guthrie (president of the Society). In reply, Mr. Guthrie said that if Mr. Nixon was an example of this year's students, their standard must be high. "The College of the Pharmaceutical Society" was proposed by Mr. Wakefield, who gave reasons for the extent of the syllabus for the Qualifying examination. The Dean of the School of Pharmacy (Mr. H. Berry) replied. Mr. T. E. Barker (last year's Bell scholar and first president of the Students' Union) proposed "The Square Association," to which the reply was given by Mr. H. N. Linstead. Among others present were Dr. C. H. Hampshire, Mr. R. R. Bennett, and Professor J. H. Burn, Mr. and Mrs. C. E. Corfield, Mr. and Mrs. G. R. Boyes, and Professor and Mrs. J. H. Gaddum.

NATIONAL AND LOCAL ORGANISATION.—"Organisation in Pharmacy" was the theme of an address by Mr. G. A. Mallinson (secretary, National Pharmaceutical Union) to members of the North London Branch of the Pharmaceutical Society on November 29. He said present-day organisation in pharmacy was the envy of other trades; nevertheless, at headquarters they felt that pharmacy was anything but organised. They had, he said, built from the top downwards, so that while headquarter organisations were complete they could not depend upon the individual chemist to back them up. Further, the Union was not in a position to demand united action from its members. Why should chemists be disorganised? He

News in Pictures



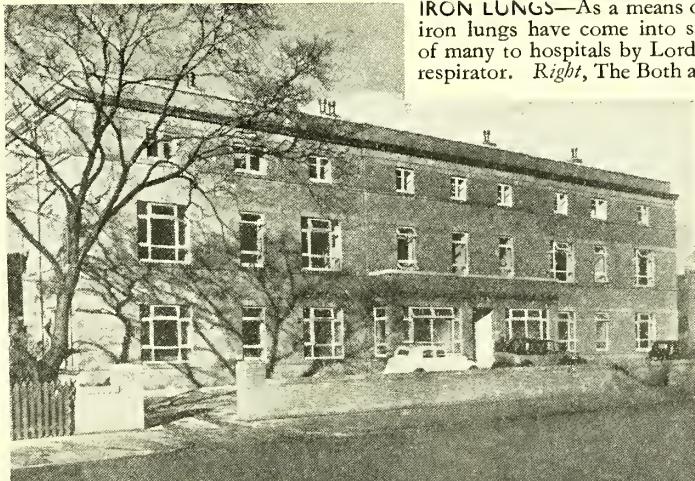
CINNAMON CULTIVATION IN CEYLON—Cutting and binding the bark. This is cut from leafy shoots from pollarded trees with a *mama* (special knife, see native at left of picture). Photo by courtesy, Ceylon Trade Commissioner in London.



IRON LUNGS—As a means of combating infantile paralysis, iron lungs have come into special prominence through gift of many to hospitals by Lord Nuffield. *Left*, An Australian respirator. *Right*, The Both apparatus and a jacket respirator.



COSMETIC BRACELET—A coloured bracelet introduced in U.S. contains puff, mirror, cake powder, and rouge, revealed by turning an outer metal band.



BCB MARTIN'S NEW BUILDING—See descriptive account on p. 634. MR. EIRWYN OWEN (see p. 641.)



thought this was because proprietor pharmacists, occupying a position of independence, had become self-centred; and because of the complexity of local organisation. There was too much overlapping. In the early days local associations could make their voices heard, and they dictated to the parent bodies. After dealing with the formation of the N.P.U. from the executive of the local associations, Mr. Mallinson went on to explain the formation of branches of the Society. This branch organisation, he said, was an extravagance and unnecessary where a local organisation functioned properly. Local associations should be the focus for managers, assistants and proprietors to meet and mutually discuss their problems. Chemists should be proud of their national bodies, but he could not say the same about local organisation. Only recently the N.P.U. had been forced to employ an organisation officer. He described recent developments of the Chemists' Friends scheme. Mr. Pickford asked for guidance on borderline cases, products with other than pharmaceutical uses, and so-called ethical products. Mr. Mallinson replied that these lines were eligible for inclusion. He further pointed out that every effort should be made to include proprietaries containing poisons, for although these might be sold only by chemists there was nothing to prevent a manufacturer altering his formula to exclude the poison and so obtain unrestricted sales. Mr. Collings asked how "cutters" obtained C.F. goods; Mr. Mallinson replied that he wished he knew, although there was evidence that some chemists themselves were the culprits. Mr. Downing asked whether other traders should be supplied by chemists with C.F. goods at full retail prices; Mr. Mallinson replied that if this was done with the knowledge that they were for re-sale it was entirely against the principle of the scheme, the essence of which was to bring the public to the chemist. Mr. Anderson dealt with a revival of the proposal to advertise pharmacy nationally. Mr. Mallinson said the Executive had no intention of reviving this until they knew definitely that the mass of chemists were behind them. A mention of the recent Trade Marks Act by Mr. Morgan brought a warning from Mr. Mallinson on its stringent character. Mr. Hearle proposed a vote of thanks to the speaker and Mr. Downing seconded.

Merseyside

INSURANCE COMMITTEE APPOINTMENT.—Mr. T. Stephen Jones, M.P.S., has been re-elected chairman of the Medical Benefit subcommittee of the Birkenhead Insurance Committee.

A QUESTION FOR DISCUSSION.—Birkenhead and Wirral Pharmacists' Association held a meeting on November 30 when Mr. W. E. James (Glaxo Laboratories, Ltd.), gave an address (illustrated with lantern slides) on "The Trend of Modern Medicine." Mr. F. Haworth, who presided, said a member had inquired how long a chemist should keep in stock the balance of a medicine or preparation of which bulk had had to be broken for N.H.I. purposes. He understood there was no time limit, but it was a matter which might be usefully discussed at the next meeting of the Association. It was agreed that the matter should be considered by the committee. The secretary (Mr. F. J. Nichols) drew attention to the Government's voluntary pensions scheme and the advantageous terms dependent upon entry before January 1.

Miscellaneous

BURGLARY.—The premises of A. D. Hearnshaw, chemists, Welford Road, Leicester, were broken into recently and a sum of money stolen.

LECTURE ON VITAMINS.—An address on vitamins, illustrated by lantern slides, was given to the Medway Branch of the Pharmaceutical Society by Mr. G. R. Boyes (Parke, Davis & Co.), on November 23.

EMERGENCY PANEL PLANS.—Sheffield Insurance Committee have arranged and approved plans that will enable all insured persons in the city to continue to receive medical benefit in the event of panel doctors being called up for national service during an emergency.

BRITISH STANDARDS INSTITUTION.—The Institution has just issued a British Standard List of Chemical Symbols and Abbreviations. The list is based on the report of a Joint Committee of the Chemical Society, the Faraday Society and the Physical Society that embodies the agreed views of British physicists and chemists. The list is divided into the following sections: Greek alphabet; mathematics; certain important

physical constants; subscripts and other modifying signs; general physics and chemistry; heat and thermodynamics; electricity and magnetism; optics; units; elements and organic radicals. Copies of the Standard (No. 813-1938) may be obtained from the headquarters of the Institution, 28 Victoria Street, London, S.W.1, price 3s. 6d. (3s. 8d. post free).

IN THE COURTS.—At Tonbridge, recently, Mrs. Marjorie Finn, M.P.S., Edenbridge, was fined £1 for selling ammoniated tincture of quinine deficient of ammonia.—At Winchester, on December 5, A. R. Wingate was sentenced to three years' penal servitude, and A. T. Wingate was sent to Borstal for three years on charges of robbing while armed with revolvers Sidney Ryley, of £124, the property of Timothy Whites & Taylors, Ltd., at Portsmouth.—At Marylebone Police Court, London, on December 6, Maurice Alterman was charged with being in unauthorised possession of cocaine hydrochloride and heroin hydrochloride and with stealing money of his employers, Savory & Moore, chemists, Wigmore Street. Defendant was sentenced to two months' imprisonment.

NEW OFFICES AND LABORATORIES.—Bob Martin, Ltd., have recently opened new offices and laboratories in Hoghton Street, Southport (see p. 633). The new building has a floor area of approximately 19,000 square feet. The ground floor of the left wing is occupied by the directors' offices and board room, finished in cream with dark furniture and green carpets. The corresponding offices in the right wing are occupied by the secretarial and accounts departments. On the floor above is the advertising department, which contains five distinct sections—studio, newspaper advertising, radio, printing and display. On the same floor are the sales department and laboratories—one of the show places in the new buildings. A section of the laboratory is devoted to experimental work on the improvement of manufacturing methods. The offices and laboratories will be open for inspection, without invitation, on December 10 between 3 and 5 p.m.

INQUEST.—A verdict of "accidental death caused by cyanide poisoning" was returned on November 24 at an inquest at Devizes on Patrick M. Robbins, a school-boy. According to another boy, deceased had asked him to obtain some potassium cyanide, which he did when he had the key of the laboratory cupboard. Dr. Roche Lynch said six grains of cyanide were found in the stomach. Five was a possible fatal dose. The science master at the school said dangerous poisons were kept in a locked cupboard. He would give the key to a sixth-form boy if he was satisfied that the substance required was the right sort for the experiment the boy was doing. The coroner, in summing up, said it might have been that Robbins, who seemed in some ways to have an experimental kind of mind, might have tried an experiment on himself, being ignorant of such things as dose.—At Oldham, on December 2, at an inquest on the body of James Cowperthwaite, it was stated that he drank liniment in mistake for lemonade. A relative of deceased said she had a blue-ribbed bottle for the poison, but lost the cork. She transferred it to a plain bottle from which the label had been lost. A verdict of accidental death was recorded.

PHARMACY ACT CASES.—At Leeds, on November 23, Norman Whittaker, M.P.S., was fined 20s. on each of two summonses under the Pharmacy and Poisons Act. Defendant had sold a poison by retail on unregistered premises and had not labelled it in the prescribed manner.—At Chesterfield, on November 21, F. C. Lowe & Sons, Ltd., pleaded guilty to selling a poison in Part II of the Poisons List without being licensed. The summons was dismissed on the payment of costs.—At Folkestone, on November 25, John Clark was summoned in respect of unauthorised sale of a poison in Part I of the Poisons List in a container not labelled in the prescribed manner. A fine of £1 was imposed.—At Dover, on November 28, E. Stafford Brooks, Ltd., were prosecuted for similar offences. Defendants were fined £2 10s. on each summons. At the same court, Mrs. Calvert was also fined £2 10s. for similar offences.—At Ilfracombe, on November 21, William Swift was summoned for supplying a package containing a poison before entering particulars in a book, for having sold such a package without the name and address of the seller, and for supplying a package containing a poison. Defendant was fined £2.—At Newport, Mon., Police Court, recently, Henry G. Jones, grocer, was charged with having taken the title of chemist although not registered as a pharmacist. It was stated for the Pharmaceutical Society that on the glass door of the shop was a sign, "Dispensing Chemist." Defendant was fined £1.

Welsh Notes

Cardiff

ANNUAL DINNER.—The guest of the evening at the annual dinner of the Cardiff Branch of the Pharmaceutical Society on November 30 was Sir Victor Warrender, Bart., M.P. (financial secretary to the War Office). Mr. G. Holley (president of the Branch) suggested that only the qualified pharmacist should be allowed to sell medicines, for it was only he and the medical man who understood them. He also suggested that in time of war the War Office should recognise the qualifications of pharmacists and give them commissions. Proposing the toast, "The Pharmaceutical Society of Great Britain," Sir Victor Warrender said so much medicine was now obtainable in ready-made form that the demand of military hospitals for dispensers was small. Mr. W. Deacon, J.P. (vice-president of the Pharmaceutical Society of Great Britain), responded. Other speakers were Dr. Frederick Campbell (vice-chairman, Cardiff division, British Medical Association), Mr. L. Livesey (vice-president of the Branch), Mr. A. Davies and Major B. G. Lynn-Allen.

Amongst those present were the Deputy-Lady Mayoress; Mr. Eirwyn Owen, Bangor (president, United Chemists of Wales); Dr. W. Powell Phillips (medical officer of health), Mr. R. R. Bird (president, Cardiff Chamber of Trade) and Mrs. Bird, Mr. F. W. James, Mr. and Mrs. R. H. Williams, Mr. and Mrs. C. Arnott, Mr. and Mrs. T. Evans, Mr. O. Jenkins, and Mr. F. J. A. Edwards (secretary) and Mrs. Edwards. Dancing followed.

Llandudno

WHIST DRIVE AND DANCE.—The annual dance organised by the Anglesey Branch of the Pharmaceutical Society in aid of the Society's Benevolent Fund was held at Llandudno on November 30. The party included Mr. Llewellyn Thomas, Beaumaris (chairman of the Branch), and Mrs. Thomas, Mr. Gwilym Hughes, Conway (vice-president), and Mrs. Hughes, together with representatives of commercial houses. Whist was arranged for non-dancers. Winners of whist prizes were:—*Ladies*: (1) Mrs. Pennington, Rhyl; (2) Miss Owen; (3) Mrs. Ashton, Beaumaris. *Gentlemen*: (1) Mr. Ashton, Beaumaris; (2) Mr. Edwards, Birkenhead; (3) Mr. Pennington, Rhyl. Competition dances were won by Mr. and Mrs. Roberts, Beaumaris (spot waltz); Mrs. Hughes, Aber, and Mr. A. E. Pughe, Llanfairfechan (spot foxtrot). The prizes were handed to the winners by Mrs. Thomas, wife of the president. During supper the secretary thanked firms who had provided the prizes.

Irish Notes

Irish Drug Association

Mr. P. A. Brady (president) was in the chair at a committee meeting of the Irish Drug Association on November 28. The committee accepted with regret the resignation of Mr. H. J. Sumner, who for many years had been a valued member; the co-option of a member to fill the vacancy was deferred to a future meeting. During a discussion on the sales of medicated and other wines the committee emphasised the legal obligations of members holding wine licences. It had come to the knowledge of the committee that infringements of the licensing laws were taking place, and that a special watch was being kept on wine licencees, especially on Sundays. A manufacturing firm informed the committee of a substantial order which their obligations as approved manufacturers had caused them to turn down. The committee expressed the view that more concrete proof of support must be shown to approved manufacturers by members and their employees. The view was expressed that approved manufacturers would not confine distribution to pharmaceutical chemists and registered druggists if the same treatment was given to proprietors of lines who distributed through all channels. The report of a deputation consisting of the president, Messrs. F. X. Meagher, P. F. McGrath, T. C. Scott, and B. Smith, to the Pharmaceutical Society of Ireland was next considered. The points raised were limitation of apprentices and the 1908 Pharmacy Act. Little progress had been made when the meeting terminated. For the benefit of members in the Greater Dublin area, it was agreed that shops would remain open until 9 p.m. on Monday to Friday inclusive during Christmas week, and close at 10 p.m. on Saturday, December 24.

Belfast

DEFICIENT OINTMENT.—At Belfast Police Court, on November 28, Patrick McLaughlin was fined 20s., with 20s. costs, for selling iodine ointment, B.P.C., which was certified to be 88.2 and 86.2 per cent. deficient in potassium iodide. A similar summons against Mrs. Sarah McLaughlin, who made the actual sale, was withdrawn.

POSSESSION OF POTASSIUM CHLORATE.—At Belfast on November 23 Patrick Quinn was charged with being in possession of potassium chlorate under circumstances giving reasonable suspicion that it was not in his control for a lawful object. An assistant in the employment of Mr. A. M. Dougan, Ph.C., gave evidence as to the purchase of 14lb. of potassium chlorate, which Quinn said he wanted for use as a fertiliser. Captain R. J. Volkens, inspecting officer of the Ordnance Depot, Carrickfergus, explained the use of potassium chlorate as an explosive. Professor R. G. Baskett, Chemical Research Division, Ministry of Agriculture, said potassium chlorate was not used for agricultural purposes. Its effect on land was toxic. A sentence of twelve months' hard labour was passed.

Miscellaneous

MR. WILLIAM VERNON BOWIE, M.P.S.I., 46 Kenilworth Square, Dublin, has been appointed dispenser to Guinness's brewery, Dublin, which maintains a medical, pharmaceutical and first-aid service for its employees.

COMPOUNDERS' ASSOCIATION.—A deputation from the Irish Dispensary Compounders' Association was received by the Minister for Local Government Boards of Eire on November 30. Mr. Frank Loughman, M.P.S.I., Clonmel, introduced the deputation.

PEACE COMMISSIONER.—Mr. Thomas R. Cambridge, R.D., Carrickfergus, who has been appointed to the Commission of the Peace for county Antrim, is the son of the late Mr. Robert Cambridge, J.P. (a former president of the Chemists' and Druggists' Society of Ireland).

BUSINESS CHANGES.—New pharmacies have been opened recently at Washington Street, Cork, by Mr. John P. Cashman, Ph.C.; at Main Street, Donnybrook, by Miss M. E. Boland, Ph.C.; and at 133 Parnell Street, Dublin, by Mr. J. E. Devitt, Ph.C.; the pharmacy of Mr. T. Larkin, M.P.S.I., North Great Georges Street, Dublin, has been acquired by Kavanagh's Medical Hall, Ltd.; the old-established business of W. F. Wells & Son, 61 Upper O'Connell Street, Dublin (owned by Mr. H. J. Sumner, M.P.S.I.), has been acquired by J. J. Roche & Co., Ltd., who have already a pharmacy in Lower O'Connell Street.

Scottish Notes

Miscellaneous

MR. J. RUSSELL, M.P.S., Stevenston, has been elected president of the local Merchants' Association.

NEW BUSINESS.—Mr. George Dempster, M.P.S., has opened new premises in St. Clair Street, Kirkcaldy.

NEW BRANCH SECRETARY.—Mr. Robert McAdam, M.P.S., 1044 Dumbarton Road, Glasgow, has been appointed *Secretary* of the Glasgow and South-Western Scottish Branch of the Pharmaceutical Society in succession to the late Mr. Peter M. Duff, M.P.S.

LECTURER'S RETIREMENT.—Mr. David S. Rattray, Ph.C., lecturer in the Aberdeen School of Pharmacy, is retiring at the end of the present term. A local committee has been formed to institute a fund for a testimonial to him, and those who have not yet been circularised are asked to communicate with the secretary of the committee, Mr. A. A. Meldrum, M.P.S., 1 Mount Street, Aberdeen.

WHIST DRIVE AND DANCE.—A whist drive and dance, under the auspices of the Perthshire Pharmacists' Association and the Dundee and East of Scotland Branch of the Pharmaceutical Society, was held at the Station Hotel, Perth, on November 30. Prizes for whist were won by the following:—*Ladies*, Mrs. Fulton, Miss Napier, Mrs. W. B. Forbes and Miss D. Sharp; *Gentlemen*, Messrs. W. R. Brown, J. Brydon, Ritchie and J. Stirling. Spot prizes were won by Mr. G. Trotter and Mrs. W. B. Forbes.

Legal Reports

Unlawful Compounding of Medicine.—At Rathkeale District Court, co. Limerick, recently, J. K. Ryan, shopkeeper, Ballingarry, was prosecuted at the instance of the Pharmaceutical Society of Ireland for keeping open shop for the compounding of prescriptions, he not being a qualified person, and for selling poison in a container which had not the name and address of the seller. Inspector W. Coogan gave evidence of handing in a medical prescription at the defendant's premises, and of having it dispensed. He also purchased lysol, which was not labelled with the name and address of the seller. For the offence against the Pharmacy Act by compounding illegally, defendant was fined £5, with £8 expenses and £2 2s. costs. On the other summons defendant was fined 5s.

Renewal of a Filter Patent.—In the Chancery Division of the High Court, London, on December 1, Mr. Justice Simonds heard a petition by Dr. Henry Selby Hele-Shaw, the inventor, and Stream Line Filters, Ltd., Ingate Place, Battersea, for the extension of letters patent granted on July 19, 1922, to Dr. Hele-Shaw for an improved method of, and apparatus for, separating out and removing matters suspended in a fluid. The two patents in question expired in July. Petitioners' case was that the filter had proved of great utility, particularly in relation to oil purification. Stream Line Filters, Ltd., are the successors of a company formed in 1923 to develop the invention. The nature of the invention was such that a long period of practical experimental work was necessary to ascertain how it could be exploited to the best advantage, and the commercial development of the patents had been consequently retarded. It was claimed that the petitioners' remuneration from the invention had been inadequate, having regard to its utility and merit. His Lordship, giving judgment, said the invention comprised a pack of plates with the sheets of material held sufficiently close together to prevent the passage through of the matters to be separated. The paper used was substantially impermeable to the fluid, and the filtration was edge-wise. One of the patents related to the form of construction of the apparatus and the other to the selection of the

material for filtration. So far as the first patent was concerned, he was satisfied, although the validity was not challenged, that this was nothing more than perhaps a somewhat important stage in the development of the article. In the second place, it appeared plain that the construction was one which had not been made any substantial use of by the petitioners. He saw no ground for extending the term of this patent or making a new grant. As to the second patent, different considerations applied. This was an invention of substantial merit in relation to the public. He found a sufficient degree of ingenuity in the invention, accompanied by a large measure of benefit to the public. It must be regarded as of real importance that by the use of this invention lubricating oil could be so filtered that it could be used again and again for the purpose of lubrication, and at a cost which might be regarded as trivial, having regard to the saving effected. The case was clearly one for an extension or a new grant if the petitioners established that there had not been adequate remuneration and there were no other circumstances to tell against them. There had been no undue delay in the exploitation of the patent, and such delay as there had been had been due to the fact that petitioners had had peculiar difficulty in overcoming the prejudices of some persons and in dissipating the cautious views of others. The remuneration had clearly been utterly inadequate to the importance and utility of the invention. Taking rough figures, it would appear that some £70,000 had been spent in the development of the patent and putting it on the market. It would seem that the trading profit derived from the use of that capital was some £25,000 less than the aggregate of interest which would have been earned at 7½ per cent. from such capital as had been employed. In all the circumstances it seemed to him that to give petitioners adequate remuneration from this invention he would be justified in making a re-grant of five years from the date of expiration of the second patent. He understood that satisfactory provision had been made between the company and Dr. Hele-Shaw for his share of the advantage resulting from the new grant.

Topical Reflections

By Xrayser

The Chemists' Friends Association

Another stage in the evolution of the Chemists' Friends scheme has been reached in the formation of the Chemists' Friends Association (*C. & D.*, December 3, p. 614). As I am not enamoured of associations constituted for the purpose of taking over functions already discharged with satisfaction by existing bodies, I could wish that the case for a separation from the National Pharmaceutical Union had been more explicitly presented at the meeting on November 23. The arrangement that Scotland shall be represented on the Council of the Association is a wise move, and may have been an important factor in deciding on the new departure. The C.F. scheme suffers, I notice, from the old trouble of "leakages." This, in plain terms, means that the game is not being played everywhere according to the rules: the new Association will, I hope, successfully deal with this nuisance. Complaints of alleged inconvenience in rural areas attributed to a scarcity of chemists' shops need not be regarded very seriously, though the report of last year's working of the scheme states that all such complaints were investigated locally. Everyone in, or in touch with, a rural area knows that in these days of overlapping transport services—to say nothing of the friendly help that motorists are ready to extend to their non-motoring friends in collecting parcels—there is no need for a delay of more than a few hours in obtaining goods unless a customer lives in a house that can accurately be called remote.

Looking Ahead

The bearing of the C.F. scheme on possible legislation is thoughtfully discussed in a letter on p. 629 by Mr. F. J. S. Begg. Mr. Begg might have strengthened his case by adding that the concession regarding a "regular" apprenticeship

extended by the Commissioners of Customs and Excise in respect of the sale of known, admitted and approved remedies gives certain unqualified traders a foothold in any negotiations leading up to the appearance of another Pharmacy Bill. Whether such people are numerous or not, they will undoubtedly use their position to the full in such an event. Mr. Begg is probably aware, though he leaves us uncertain on the point, that the sale of proprietary articles listed under Schedule I could not be entrusted to unqualified persons without fresh legislation. I have no such fear of "offending" Parliament as your correspondent appears to suffer from. So long as we are classed as "a feeble folk," so long will our claims be cold-shouldered.

Mint and Peppermint Waters

Your retrospect on p. 630, discussing the meaning of "aqua menthae" in prescriptions in 1888, was of added personal interest in that I had been shown several years ago, in your former office in Cannon Street, some of the original replies to that *questionnaire* to prescribers. There was at the time a marked division of opinion on the proper reading; in my locality for instance, every pharmacist of my acquaintance would have dispensed aqua menthae viridis without hesitation, though you found "an overwhelming balance of opinion in favour of aqua menthae piperita." Some of the consultants who answered your inquiry are still remembered, I believe, by most of your readers, and their letters or postcards clearly revealed the difference to which I have referred. Sir William Jenner voted for "water distilled from the mint of the gardens," but Dr. Lauder Brunton for aqua menthae piperita. Sir Morell Mackenzie never wrote "Aq. Menthae" but always "Aq. Menth. Pip." or "Aq. Menth. Virid." and Dr. Mitchell Bruce was more emphatic in the same vein.

Company News

P.C. means Private Company and R.O. Registered Office

R. J. STEVENS (CHEMISTS), LTD. (P.C.).—Capital £500. Objects: To acquire the business of a druggist carried on by R. J. Stevens at 192 Binley Road, Coventry.

COMER & PHILLIPS, LTD. (P.C.).—Capital £200. Objects: To carry on the business of chemists, herbalists, etc. George T. Phillips, Walsham-le-Willows, Suffolk, director.

BRITISH WHEAT SALTS CO., LTD. (P.C.).—Capital £100. Objects: To carry on the business of chemical manufacturers, etc. James F. Lowther, "Roseneath," Albert Road, Malvern, director.

WESTMINSTER INDUSTRIES, LTD. (P.C.).—Capital £2,000. Objects: To carry on the business of wholesale and retail chemists, druggists, etc. The first directors are to be appointed. Solicitors: Maxwell Batley & Co., Cunard House, 88 Leadenhall Street, E.C.3.

RENCO PRODUCTS, LTD. (P.C.).—Capital £500. Objects: To carry on the business of manufacturers of and dealers in chemicals and disinfectants, drugs, medicines, etc. Maurice D. Curwen, 174 Grove End Gardens, N.W.8, director. R.O.: 10-12 Copthall Avenue, E.C.2.

KAVANAGH PHARMACY, LTD. (P.C.).—Registered in Dublin. Capital £1,000. Objects: To carry on all or any of the businesses of manufacturing, pharmaceutical, analytical and dispensing chemists and druggists, etc. Eileen Kavanagh, 30 Rathgar Road, Rathgar, Dublin, director.

CHEMICAL PLANT & EQUIPMENT CO., LTD. (P.C.).—Capital £2,000. Objects: To carry on the business of chemical technical engineers, consulting engineers, metallurgists, etc. The first directors are to be appointed. Solicitors: Ashurst, Morris, Crisp & Co., 17 Throgmorton Avenue, E.C.

MARLEY, FODEN & CO., LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturers of and dealers in hospital, surgical, laboratory, chemical, photographic and scientific furniture, apparatus, supplies, etc. John Priestley, 14 Middle Park Road, Selly Oak, Birmingham, director. R.O.: Daimler House, Paradise Street, Birmingham.

JONES CHEMISTS (WIRRAL), LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of chemists now carried on by Goronwy Jones and Noel Jones at 4 Pensby Buildings, Pensby Road, Heswall; 18 Allport Lane, Bromborough; and 5 Coronation Drive, Bromborough, Cheshire, as "Jones Chemists." Goronwy Jones, 12 Richmond Way, Irby Road, Heswall, Cheshire, director. R.O.: 4 Pensby Buildings, Pensby Road, Heswall, Cheshire.

RESUFLIN, LTD. (P.C.).—Capital £6,000. Objects: To enter into an agreement with Ignatius Doff to purchase the rights of the registered trade mark "Resuflin," No. 550,490, dated August 9, 1934, Class 3, Chemicals; and to carry on the business of manufacturers of and dealers in chemicals, drugs, medicines, etc. Ignatius Doff, Gladiator Works, 2A Keppel Road, Chorlton-cum-Hardy, Manchester, director. R.O.: 227 Corn Exchange Buildings, Manchester, 4.

LENNON, LTD.—The annual general meeting of the company was held in Cape Town on November 1, 1938. The accounts for the financial year ended June 30, 1938, showed a net trading profit of £93,711, which with £109,941 brought forward gave a total of £203,652. The directors recommended the following appropriations:—Dividend of 6 per cent. on the ordinary shares, £23,979; bonus of 2 per cent. on the ordinary shares, £7,993; dividend of 6 per cent. on the 6 per cent. preference shares, £415 5s. 3d.; staff contingency account, £5,000; general reserve, £25,000; dividend equalisation account, £10,000; balance forward and for taxation, £33,705 16s. 8d.; balance carried forward, £106,093. The chairman, Mr. A. G. Norris, in the course of his speech to the shareholders, said the directors were pleased to be able to refer to another year of successful trading and the continued growth of the assets of the company.

BRITISH XYLONITE, LTD., REORGANISATION.—The British Xylonite Co., Ltd., Hale End, London, E.4, manufactures plastics in various forms, together with a large range of finished articles made from these and other materials, and it has been decided that it is desirable to separate the manufacture and sale of "producers' goods" from the manufacture and sale of "consumers' goods." It is with this object that a major reorganisation is, therefore, taking place on January 1, 1939. From that date the British Xylonite Co., Ltd., will operate as a holding company owning all the shares in two newly-formed subsidiary companies:—B.X. Plastics, Ltd., which will manufacture and sell the products of the Brantham and Lactoid factories, which are "producers' goods." Halex, Ltd., which will manufacture and sell the products of the Hale End factory, which are "consumers' goods" such as combs, toothbrushes, hairbrushes and a large range of toilet articles. Mr. C. F. Merriam, chairman of the parent company, will also be chairman of the two new subsidiary companies.

IDRIS, LTD.—The directors' report and accounts for the financial year ended October 31, 1938, show that after charging depreciation, but before charging debenture interest or making provision for taxation, the profit on the profit and loss account was £18,027 9s. 1d., from which has to be deducted debenture interest £1,880 and provision for taxes £1,000, leaving £15,147 9s. 1d., which, with balance brought forward £11,322 4s. 7d., makes £26,469 13s. 8d. It is recommended to pay the following dividends: A preference 6 per cent. £6,600, B preference 7 per cent. £700, A ordinary 10 per cent. £5,000, B ordinary 10 per cent. £1,800, founders' 5 per cent. £900, leaving a balance to carry forward of £11,469 13s. 8d. It is with regret the death during the past year is reported of Mr. E. K. Bishop, who had been chairman since 1925. Mr. W. J. Bradford has retired during the past year. Mr. Ivor Idris has been appointed a director. Mr. W. H. W. Idris and Mr. A. J. Ward are the two retiring directors and offer themselves for re-election.

BRISTOW'S PHARMACY, LTD.—At a meeting held in Leeds recently it was resolved that this company be wound up voluntarily. Mr. F. A. Bolton was appointed liquidator.

COMPANIES DISSOLVED.—Notice has been given in "The London Gazette" that the names of the following companies have been struck off the register and the companies dissolved: Essex Chemicals, Ltd.; John Richmond, Chemists and Opticians, Ltd.; Savoy Toiletries, Ltd.; Strand Photographic Co., Ltd.

BOTTLING TRADES CHEMICAL CO., LTD.—At a meeting held in London recently it was resolved that this company be wound up voluntarily. Mr. F. S. Jackson, 11-13 Southampton Row, London, W.C.1, was appointed liquidator, to whom all creditors are requested to send their names and addresses and particulars of their debts on or before January 5, 1939.

Private Arrangement

Harold Thomas Ashton Gregson, 4 Langney Road, Eastbourne, Sussex, chemist. The creditors met recently at the offices of Mr. A. E. Orbell, 6-7 Old Steine, Brighton. The statement of affairs disclosed ranking liabilities of £301 2s. 9d., made up as follows:—Trade creditors, £120; bankers, £101 2s. 9d.; and partly-secured creditors, £100, holding security valued at £20. After allowing £24 for preferential claims the net assets were £72 os. 9d., or a deficiency of £229 2s. Mr. Orbell reported that the debtor commenced trading at the above address in February 1935, when he had a capital of £200. He paid £50 for a seven years' lease of the premises at a rental of £90 per annum, and fitted up the shop at a cost of £40. The takings had averaged £15 a week. One creditor had commenced proceedings. It was decided that Mr. Orbell should take steps to realise the assets to the best advantage and distribute the proceeds *pro rata* amongst the creditors in settlement of their claims.

Pharmaceutical Society of Great Britain

Council Meeting

AMONG the business transacted by the Council of the Pharmaceutical Society at its meeting on Tuesday, December 6, were the following items:—

Refugee Pharmacists.—A letter was received from thirteen members of the Society in Manchester protesting against the admission of Jewish pharmacist refugees into this country.

Indian Pharmaceutical Conference.—A communication was received from the Pharmaceutical Society of India concerning a proposed Indian Pharmaceutical Conference to be held in Madras at Easter 1939, and inviting the Society's co-operation. The letter was referred to the Establishment Committee.

Co-operative Societies.—A letter was received from the secretary of the Sheffield and District Branch of the Society concerning the application of Section 9 of the Pharmacy and Poisons Act, 1933, to Co-operative Societies in the light of the decision of the High Court in the Hygienic Stores case. The secretary was directed to explain to the branch the steps which were being taken at the present time.

Invigilators.—A communication was received from the Leeds and District Branch concerning the appointment of invigilators. The secretary was directed to explain to the Leeds Branch the method adopted in selecting invigilators, and the reasons why the Council desired that these appointments should be made by the Council direct.

British Pharmaceutical Conference, 1941.—The Council agreed to ask the London County Pharmaceutical Association if they would consider extending an invitation to the British Pharmaceutical Conference to meet in London in 1941.

Wednesday's Proceedings

A WELCOME to Mr. Davis, who has been co-opted to the Council, was a feature of the December meeting of the Council, held at Bloomsbury Square, London, W.C., on Wednesday, December 7, the president, Mr. Thomas Guthrie, in the chair.

WELCOME TO NEW MEMBER

THE PRESIDENT said that Mr. Davis came with the strong recommendation of the pharmacists in his own area who might be presumed to know him best, and had also a fine record of pharmaceutical work well done, not only in that locality, but over a much wider field. In addition, Mr. Davis had a record of very fine work as a citizen, for he had taken his part in local administration and had reached a position which he (the president) believed he still held—that of Mayor of his town. He felt sure that with all these qualifications Mr. Davis would be an acquisition to the Council, and expressed the hope that he would find the work agreeable.

MR. DAVIS, returning thanks, said he was sensitive of the kind way in which the president had introduced him to the work of the Council. He felt it was particularly good of the Council to co-opt him, because he had come to the conclusion during the last few years that he had not done as much for those in the pharmaceutical calling as formerly. He wished, in particular, to refer to his great friend, and in many senses a colleague of older members of the Council, Dr. Symes, who had always wished and prophesied that sooner or later he (the speaker) would be fortunate enough to become a member of the Council. It was a touching thought that day to remember that, for at last he was in the position, and he hoped that he would be able to help in the Council's deliberations.

CORRESPONDENCE

A letter was read from Mr. K. D. M. Williams regretting that for medical reasons, he could not accept the invitation of the Council to become a member of the board of examiners.

Apologies for absence were read from Sir Walter Langdon-Brown, Professor Dilling, Mr. Antcliffe, and Mr. Peck.

GIFTS TO MUSEUM

The following gifts were acknowledged for addition to the objects of interest which are being collected for exhibition

in the Society's new building:—A cupping glass scarificator, Mr. A. E. Bailey, Watford, two scarificators, Mr. Blackwell (Blackwell, Hayes & Co., Ltd.), Birmingham, extract from a newspaper of May 1, 1798, from Mr. A. Kay, Dover, on an "Attempt to discover the genuineness of and purity of drugs and medical preparations," by Frederick Accum.

REGISTRATION ITEMS

Three persons were elected as student-associates. Three persons were restored to the Registers of Pharmaceutical Chemists and Chemists and Druggists, and the registrar was authorised to restore ten persons to the Register. The registrar was also directed to remove from the Register the names of eight persons who had not paid the retention fee. One set of premises was restored to the Register of Premises, and the registrar was authorised to remove the addresses of four premises from the Register.

EDUCATION COMMITTEE

The report of the meeting on December 6 was presented by the chairman (Mr. P. F. Rowsell). The Committee considered further particulars relating to students who had been required at the October examinations to take further courses of study before re-presenting themselves for the Preliminary Scientific examination. The analysis of school results was discussed, and the secretary was instructed to write to certain schools. The chairman reported that the approval granted to Robert Gordon's Colleges, Aberdeen, for the Pharmaceutical Chemist qualifying examination was now effective. The applications of two hospitals for approval of the conditions in their dispensaries were considered and arrangements were made for inspecting them. Eight applications for concessions in respect of the examination regulations were considered, six of which were granted and two deferred. An application made for approval of an evening course in biology for one student was deferred to ascertain whether arrangements could be made to hold the classes during the day.

MR. MCNEAL asked if certain Austrian refugees were to be allowed to remain in this country.

MR. ROWSELL pointed out that he had expressed a wish that the matter should be dealt with in committee, and that it was not before the Council at that juncture, and the subject was allowed to drop.

The following persons were appointed special examiners for the remainder of the current year:—Henry Vincent Aird Briscoe, London, and Charles Herbert Hampshire, London.

BENEVOLENT FUND COMMITTEE

The report of this committee stated that fifteen applications had been considered and grants made ranging from £4 to £26.

MR. MCNEAL drew attention to the list of special contributions, and in expressing appreciation said that Liverpool Chemists' Association had sent £81 12s. 6d., which included £10 10s. from the Ladies' Committee. A. Wander, Ltd., Queen's Gate, had sent their annual donation of £100, making a total up to date of £1,500.

THE VICE-PRESIDENT (Mr. W. Deacon) announced that he had been asked by the Cheltenham Branch to hand over a cheque for £52 10s. from the Ladies' Committee.

WAR AUXILIARY BENEVOLENT FUND

The report of this Committee showed that three applications had been considered and two grants made of £26 each.

ESTABLISHMENT COMMITTEE

The Committee stated that they had discussed the secretary's memorandum on precautions to be taken in preparation for a national emergency and appointed a sub-committee consisting of the chairman, the president and the vice-president to consider it in detail and make recommendations. The committee also agreed to the suggestion of the secretary that the office be closed for the Christmas vacation at five o'clock on Friday, December 23, until the morning of Wednesday, December 28.

The resolution passed at the November meeting of the Council concerning a suggestion of Drs. Harrison and Archer that the Society should provide a special laboratory for biochemical analysis was considered by the Committee. The Committee decided that existing financial considerations precluded the adoption of the suggestion at the present time, but were satisfied that the present plans for the new building would make it possible to provide accommodation for such a laboratory when the Society was in occupation of the building. The Committee decided to reconsider the suggestion when the Society is in occupation of the new building.

MR. MELHUISH announced that the Society's building had been visited by an influential deputation from the London University, who had seen over every part of it and had noted the conditions under which the work was being carried on. After the inspection the deputation discussed with the vice-president and other members of the Council at the Council table, and general agreement was reached that the Society were working in conditions which should not obtain any longer than was absolutely necessary.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £11 6s. 10d., amounted to £9,770 5s. 6d., comprising the following items:—Members' fees, £86 7s. 3d.; Premises fees, £98 14s.; Subscriptions, £2 2s.; Examinations, £525; Registration fees—as apprentice or student, £182 14s.; as chemist and druggist, £15 15s.; Restoration fees, £9 9s.; Law—penalties and expenses, £124 1s.; Interest on investments, £91 9s. 11d.; Rentals, £164 18s. 9d.; "Pharmaceutical Journal," £2,270 5s. 11d.; Pharmaceutical Press, £1,303 19s. 11d.; F.S.S.U. contributions, etc., £70 6s. 3d.; S.S.S.S. refunds, £6 7s. 8d.; Sundries, £7 8s.; Loan from premises fund, £800; Transferred from deposit account, £4,000.

Payments ordered at the last meeting amounted to £9,636 10s. 6d., leaving a balance of £135 15s. The amount on deposit account was £21,900. The balances on the other accounts were:—Benevolent Fund (current account), £43 10s. 6d., deposit account, £750; Benevolent Fund (donation account), £1 12s. 8d., deposit account, £100; War Auxiliary Benevolent Fund, £150 16s. 6d., deposit account, £400; Hills Orphan Fund, £26 0s. 2d., deposit account, £400; Orphan Fund, £22 12s. 4d., deposit account, £80. The action of the secretary in making payments amounting to £1,573 14s. 11d. was approved, as was also his payment of £261 9s. 8½d. for reimbursement by the Pharmaceutical Trust. The treasurer was authorised to pay accounts amounting to £14,456 15s., and a recommendation that the Trustees of the Pharmaceutical Trust be requested to pay accounts amounting to £1,696 3s. 9d. was adopted.

The Committee stated that they had given further consideration to the question of a superannuation scheme for pharmacists which arose on a resolution passed at the Branch Representatives Meeting at Edinburgh, and a memorandum from the secretary on the subject was discussed. It was decided to make further inquiries before reporting the result of their deliberations.

It was reported that the estate of Mr. C. B. Bell, who died in 1909, had now been wound up, and the Council was recommended to execute a Deed of Release in favour of the trustees. The Orphan Fund has received £500 from Mr. Bell's estate and the Benevolent Fund, as residuary legatee, has received approximately £850.

PUBLICATIONS COMMITTEE

The chairman reported that he had received an appreciative letter from Mr. Gilmour in reply to the congratulatory telegram sent him on the celebration of his golden wedding.

CODEX REVISION COMMITTEE

With regard to the statutory standards for drugs, the secretary reported that he had ascertained that the Food and Drugs Bill, 1938 (now enacted), was being dealt with as a consolidation Bill. In consequence no new provisions of importance could be introduced. He understood that the proposal for statutory standards had been referred by the Ministry to the Pharmacopœia Commission and was under consideration by it.

The Committee considered the following resolution from the Eastbourne Pharmacists' Association referred to them by the Council:—"That this meeting urges the Council of the

Pharmaceutical Society to use its utmost endeavour to have the B.P. and B.P.C. counterparts to the proprietary and ethical products so improved as to represent more nearly their intentions and make their recommendation possible and desirable." The secretary was instructed to reply that the policy adopted by the Codex Committee for the inclusion of products similar to existing proprietary medicines is to include them only when they are of established value, are in considerable demand, and are already being imitated by other manufacturers so as to make one standard desirable, and that the committee would welcome criticism on specific preparations from the Association.

LAW COMMITTEE

The report of the meeting held on December 6 was presented by the chairman (Mr. J. Jack). It showed that in England, Scotland and Wales 1,572 chemists' shops, 169 listed sellers, and 35 drug store proprietors, grocers and similar traders had been visited by the Society's inspectors during the past month. It also showed that in England and Wales 222 drug stores and other premises had been visited by the Society's agents during the past month.

Insurance Act Dispensing

Chester.—The total of insurance prescriptions issued in this Committee's area during 1937 was 74,607, an increase of 9,312 over the previous year's figure. The total cost was £2,719, of which £1,459 represented ingredient cost. The average prescription cost was 9.05d.

Denbigh.—A report to the Insurance Committee states that there were, at the date of the report, sixty-six chemists (with eighty-nine branches) and five drug stores on the Committee's register. During the year 175,171 prescriptions were issued in the county at a cost of £6,306. The average cost of drugs and appliances per insured person for Wales during the year 1937 was 2s. 10.29d., and in Denbighshire 2s. 11.41d. During the year the Committee tested twenty-four samples of medicine and three samples of appliances, and with the exception of four samples of medicine and one sample of an appliance all had been satisfactorily dispensed. Out of eight tests made under the Committee's scheme for the testing of drugs and appliances supplied to insured persons during the quarter ended September 30, one was unsatisfactory, and the analyst's certificate had been referred to the Pharmaceutical Service Subcommittee for investigation. A request for earlier closing hours has been made to the Medical Services Subcommittee through the County Pharmaceutical Committee. The Subcommittee have agreed that this should be done, subject to the approval of the Minister of Health, and that this request should only be acceded to on the understanding that if practitioners require local rotas so that prescriptions can be dispensed at least up to the usual closing hours of doctors' surgeries, these should be provided to the satisfaction of the Insurance Committee. A notice from the Pharmaceutical Committee that there is a demand among chemists for a break in the hours of service at lunch time is to be referred to the Panel Committee.

Ministry of Health Inquiry

THE decision of the Minister of Health in connexion with the inquiry held recently into charges against Mr. Henry George Jennings, Wolverhampton (*C. & D.*, September 24, p. 314), was published on December 6. It is in the following terms:—

The Minister of Health, having read and considered the Report made by the Inquiry Committee constituted by him under Part VII of the National Health Insurance (Medical Benefit) Regulations, 1936, on a representation made by the Wolverhampton Insurance Committee to inquire into the case of Mr. H. G. H. Jennings, of 47 Worcester Street, Wolverhampton, is satisfied that the continuance of Mr. Jennings on the list of persons supplying drugs or appliances would be prejudicial to the efficiency of the pharmaceutical service of the insured and accordingly, in pursuance of Section 39 (b) of the National Health Insurance Act, 1936, and of all other powers enabling him, has decided to remove and does hereby remove the name of Mr. H. G. H. Jennings from the list of persons supplying drugs or appliances for areas of the Wolverhampton and Staffordshire Insurance Committees as from and including December 31, 1938. The Minister makes no order as to the costs of the Inquiry.

New Zealand Wages Award

THE Court of Arbitration of New Zealand recently published an Award, dated August 24, binding on both parties, in connexion with a dispute between the New Zealand Federated Shop Assistants' Industrial Association of Workers and a group of employers. The Award will continue in force until February 28, 1940. The following are the main provisions.

Hours of Work and Rates of Pay

The weekly hours of work are to be forty-four, to be worked in accordance with the provisions of the Shops and Offices Act, 1921-22, and its amendments. One hour will be allowed for dinner on all days except the statutory half-holiday, and no deduction must be made from the week's wages for public holidays or the annual holiday, though time lost by a worker through his own default or by reason of sickness may be deducted from his wages. The period of notice laid down in the Award is seven days.

Managers are to be paid not less than £6 10s. per week, but will not otherwise be subject to the terms of the Award, except that they will be allowed a fortnight's holiday on full pay annually. The rates of pay for assistants are:—

	Per Week
	£ s. d.
Qualified assistants, if registered under the Pharmacy Act ...	6 0 0
Qualified assistants if not registered ...	5 10 0
Unqualified assistants with over two years' service after completing a four years' apprenticeship and two years as an improver ...	5 5 0
Unqualified assistants ...	4 17 6
Improvers—	
First year ...	3 5 0
Second year ...	4 0 0

A qualified assistant is defined as one who has served an apprenticeship of four years and an improvership of two years to a registered chemist and has passed the examinations prescribed by the Pharmacy Board or holds a certificate or diploma of competency from any college, board of pharmacy, or pharmaceutical society recognised by the Pharmacy Board. An improver is one who has served four years as an apprentice to a registered chemist. An improver who has passed his qualifying examination is entitled to 5s. per week above the amounts stated. Casual workers (those engaged for a period of less than two weeks) are to be paid not less than 3s. 8d. per hour in the case of registered assistants, and 3s. 4d. per hour in the case of unregistered assistants. Relieving assistants' travelling expenses are payable in addition to wages if the employment is outside a radius of five miles from the chief post office in any town. Assistants who are required to live away from their permanent homes are to receive a board allowance of £1 per week or the employer may provide board and lodging in lieu thereof. Apprentices are to be paid not less than £1 per week for the first six months, rising by 4s. per week for each subsequent six months to £2; in the fourth (final) year of apprenticeship the minimum payments are to be £2 5s. per week for the first six months and £2 10s. for the remainder. Female shop assistants are to be paid on the same minimum basis as apprentices for the first three years, £2 7s. 6d. for the fourth year, and £2 17s. 6d. per week thereafter. Basically the proportion of unqualified assistants permitted is one per shop, with one additional unqualified assistant for each qualified assistant employed.

Holidays

Two weeks' holiday on full pay is awarded to each worker at the termination of twelve months' service, or pro rata after six months' service should the service be terminated; such annual holiday to be exclusive of eight recognised public one-day holidays. For work done on Good Friday, Christmas Day, and Anzac Day double time is to be paid. For work done on all other holidays time and a half is the rate. For work done between seven and nine o'clock in the evening on the statutory closing-day workers are allowed double time off

within the seven days following, except that an assistant engaged specially to work in an all-night pharmacy will receive wages as set out above.

Comparison with Previous Conditions

Below is given a comparison of hours and wages as set out in the present Award with those prescribed by the Court of Arbitration of New Zealand, Northern District, on May 18, 1933:—

	1938	1933
Hours	44	48
Wages :—	Week	Week
Managers	£6 10/0	£5 7/6
Assistants :—		
Qualified and registered ...	£6 0/0	
Qualified, not registered ...	£5 10/0	} £4 7/6
Unqualified, over two years' experience after four years' apprenticeship and two years' improvership ...	£5 5/0	
Unqualified	£4 17/6	} £3 10/0
Improvers :—		
First year	£3 5/0	£2 10/0
Second year	£4 0/0	£3 0/0
Casuals :—	Hour	Day Hour
Registered	3/8	£4 17/6 17/6 2/6
Unregistered	3/4	£4 0/0 15/0 2/0
Apprentices :—	Week	
First 6 months	£1 0/0	
Second 6 months	£1 4/0	} 12/6
Third 6 months	£1 8/0	
Fourth 6 months	£1 12/0	} 17/6
Fifth 6 months	£1 16/0	
Sixth 6 months	£2 0/0	} £1 2/6
Seventh 6 months	£2 5/0	
Eighth 6 months	£2 10/0	} £1 12/6
Female shop assistants :—		
First 6 months	£1 0/0	
Second 6 months	£1 4/0	} 10/0
Third 6 months	£1 8/0	
Fourth 6 months	£1 12/0	} 15/0
Fifth 6 months	£1 16/0	
Sixth six months	£2 0/0	} £1 0/0
Fourth year	£2 7/6	£1 5/0
Fifth year	£2 17/6	£1 10/0
Thereafter	£2 17/6	£2 0/0

Japanese Essential Oils

IKEDA and Naito have examined the essential oil of the roots of *Cinnamomum kanahir-ai* ("Journal of the Chemical Society of Japan," 1938, 213). The oil has a specific gravity 1.0358 at 25°; refractive index 1.5131 at 25°; optical rotation +6.74°; acid No. 0.18; ester No. 0.84; and acetylation ester No. 48-51. It contains over 80 per cent. of safrol, but no camphor. Eugenol, salinene, two isomeric terpenes, pinene, camphene, dipentene, cymene, and terpineol are also present. The oil from the wood of the trunk had a specific gravity of 0.8941 at 25°; refractive index 1.4752 at 25°; optical rotation +23.9°; acid value 0.82; ester value 3.62; acetylation ester value 110.5. It contains a small quantity of safrol and cineol, and consists principally of terpenes and terpene alcohols. Carvacrol, eugenol, some free acids and a sesquiterpene are also present. Fujita (*Ibid*, 1938, 493) has examined the essential oil from *Orthodon Kudo*. It has a specific gravity 0.981 at 30°; boils at 238°; and refractive index, 1.5101 at 30°. It contains cymene, linolil, l-borneol caryophyllene, a second sesquiterpene and terpenes. The oil from *Orthodon hirtum* has a specific gravity 0.9225 at 30° and refractive index 1.5026 at 30°. It contains thymol, cymene, terpenes and terpene alcohols. Kafaku and his colleagues (*Ibid*, 1938, 312) report on the essential oil of *Andropogon intermedius*. It has a specific gravity 0.860 at 20°; refractive index 1.4643 at 30°; optical rotation -10°, and acetyl ester value 130.18. It contains 4-undecanone, octyl alcohol, iso-decyl alcohol and an alcohol not identified. The acids present in the form of esters are acetic, butyric, caproic, oenanthic and caprylic acids.

Trade Notes

EPHEDRINE.—R. W. Greeff & Co., Ltd., Thames House, Queen Street Place, London, E.C.4, are suppliers of ephedrine alkaloid and salts, and hold ample stocks of these chemicals in London.

COUNTER WRAPPERS FOR CHRISTMAS TRADE.—Cephos, Ltd., Blackburn, make a special offer of counter wrappers for Christmas trade from now onwards, offering generous supplies to all chemists placing orders for £3 or over.

AN IMPORTANT ASSOCIATION.—John Wyeth & Brother, Ltd., will act as distributors for their own products and for the products of Petrolagar Laboratories, Ltd. All orders regarding these products should be directed to 25 Oldhill Place, London, N.16.

BRITISH COD-LIVER OIL.—Isaac Spencer & Co. (Aberdeen), Ltd., inform us, with reference to the article "Future of British Cod-Liver Oil" (*C. & D.*, November 19, page 559) that they adopted the practice of rendering the oil from the livers at sea in 1927.

METAL WARD SCREEN.—The Silverdale Manufacturing Co., 110 Cheapside, London, E.C.2, have introduced an entirely new type of hospital metal ward screen. One centre pole unites two folds with die-cast hinges top and bottom. The screen is rigid, silent and has no divisions between the folds.

PRODUCTS FOR THE EYE.—Robert Blackie, Shen Works, Melon Road, Peckham, London, S.E.15, direct attention to two products for the eye: Golden eye ointment and Eyebright lotion. The lotion is issued in blue screw-capped bottles. Samples and quotations may be obtained on application to the above address.

CARNIVAL NOVELTIES.—Dudley & Co., Ltd., 451 Holloway Road, London, N.7, have published a 36-page catalogue containing illustrations and prices for all types of hats, novelties and musical instruments for use at Christmas festivities. Copies of the list may be obtained on application.

CHRISTMAS GIFTS FOR MEN.—Remington Close-Shaver, Ltd., 100 Gracechurch Street, London, E.C.3, direct the attention of chemists to the Remington electric close-shaver which is described as the ideal Christmas gift for a man. Its de-luxe model is packed in a pebble-grained case. Full details are given elsewhere in this issue.

ELIXIR JAFFOL.—W. B. Cartwright, Ltd., Rawdon, Leeds, are advertising Elixir Jaffol, first introduced to the trade this year at the Chemists' Exhibition. It is stated to represent the equivalent in vitamin potency of finest cod-liver oil and fresh orange juice in a glucose syrup. It is packed in cartons of one size, and display material is available. Chemists are invited to send for complete list of Cartwright's winter products.

Coming Events

Monday, December 12

Paisley Chemists' Association, Y.M.C.A. Rooms, at 8 p.m. Dr. J. Tait, Ph.C., on "Present-day Problems in Pharmacy."

Tuesday, December 13

North East London Pharmaceutical Association, Old Gravel Pit Hall, Mare Street, Hackney, at 8.30 p.m. Mr. W. Deacon, J.P., M.P.S., on "Romance of Perfumes."

Norwich Branch, Pharmaceutical Society, Curat House, The Walk, at 8.15 p.m. Mr. L. Moreton Parry, M.P.S., on "Is Pharmacy Becoming Mechanised?"

Pharmaceutical Society, 17 Bloomsbury Square, London, W.C.1, at 8.30 p.m. Mr. W. G. Templeman on "Plant Growth Hormones."

Wednesday, December 14

Chester Branch, Pharmaceutical Society, Royal Oak Hotel, at 8 p.m. Supper and address by Mr. H. W. Wallis.

Thursday, December 15

Bedfordshire Branch, Pharmaceutical Society. Film show and lecture.

Friday, December 16

North British Branch, Pharmaceutical Society, 36 York Place, Edinburgh, at 8 p.m. Mr. W. Mair, M.P.S., on "Carl Wilhelm Scheele."

Births

Notices for insertion in this column must be properly authenticated.

JONES.—At Tynrheol, Amlwch, on December 1, the wife of Llewellyn W. Jones, M.P.S., Amlwch, of a daughter.

MORAN.—At Stella Maris Nursing Home, Dublin, recently, the wife of James Moran, M.P.S.I., Bray, of a daughter.

MORIARTY.—At Limerick, recently, the wife of Gilbert Moriarty, M.P.S.I., of a daughter.

Marriages

RUSSELL—DOWNIE.—At the Old Parish Church, Innerleithen, on December 2, Alexander Russell, M.P.S., Innerleithen, to Isabella W. Downie.

Deaths

BOOTH.—Recently, Mr. Thomas Booth, chemist and druggist, Stockport, aged eighty-two.

CHAPMAN.—Recently, Mr. Ingram William Chapman, chemist and druggist. Mr. Chapman passed the Pharmaceutical Society's Minor examination in 1881.

FLEMING.—At 12 Church Street, Athlone, on November 28, Mr. James Fleming, M.P.S.I. Mr. Fleming passed the Licence examination of the Pharmaceutical Society of Ireland in 1901, and had been in business in Athlone for almost thirty years. He took a keen interest in pharmaceutical matters and local municipal affairs, having for many years been a member of the local urban council.

INGLIS.—At 27 Talla Road, Cardonald, Glasgow, on December 2, Maiion, the wife of Mr. Samuel Inglis, M.P.S.

LAURENCE.—At Glasgow, on November 30, Mr. Thomas Gentle Laurence, chemist and druggist, aged seventy-five. Mr. Laurence served his apprenticeship with Fraser & Green, Ltd., Glasgow, and was afterwards in business with his father in Charing Cross Mansions. He retired in 1933.

MCKENZIE.—At 115 Novar Drive, Glasgow, recently, Mr. Donald McKenzie, M.P.S. Mr. McKenzie passed the Minor examination in 1905.

SIMON.—At Chester, on December 5, Mr. J. Malcolm Simon, sheriff of Chester, son of the late Mr. John Simon, chemist and druggist, Chester, aged forty.

SLACK.—Recently, at his home, Cannon Road, Ramsgate, Mr. Ernest Simmons Slack, M.P.S., aged fifty-seven.

Personalities

MR. KENNETH A. WAGG has been appointed a director of Horlicks, Ltd., Slough.

MR. W. AMOR has been appointed export manager of Solport Brothers, Ltd., druggists' sundries manufacturers, London, E.C.1.

MR. DOUGLAS A. WHITWELL, M.P.S. (F. W. Whitwell, Ltd., chemists, Oundle), received head injuries and slight concussion when he was knocked down by a van on December 1.

MR. EIRWYN OWEN, newly-elected chairman of the United Chemists of Wales, qualified in 1929 and opened a pharmacy at 345 High Street, Bangor, trading as Eirwyn, Chemist, Bangor. He is actively interested in branch work, and from 1934 to 1938 held the secretaryships of the Anglesey, North Carnarvonshire and Colwyn Bay branches of the Pharmaceutical Society and National Pharmaceutical Union, during which period he was delegate to the Pharmaceutical Conferences. He is the present secretary of the N.P.U. branch. During 1936 he acted as assistant secretary to the U.C.W. and gave active support to their candidate to the Pharmaceutical Council. Portrait, p. 633.

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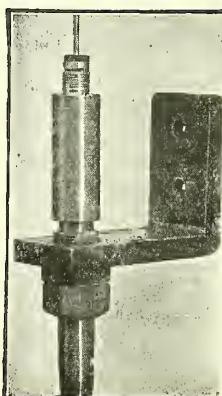
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**THE
CHEMIST AND DRUGGIST**

VOL. CXXIX

December 10, 1938

NO. 3070

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Better Photographic Business

The writer of an article in this issue (p. 646), who has had many years' experience of the chemists' photographic trade, directs attention to the increasing possibilities of winter trade in photography. It is common knowledge that, for a number of the early post-war years, amateur photography was captured by the slogan "You press the button—We do the rest." D. & P. work became enormously increased as a result, during the summer season, while what may be termed the higher or certainly the more interesting branches of the work were neglected. During the winter, photography was a dead letter to the masses of amateur photographers who knew no subjects for "shooting" other than their friends. Suppliers of material for amateurs' work, as was to be expected, viewed the position with concern and undertook a considerable amount of publicity work to interest the amateur in real photography. This is now stated to be succeeding.

One of the chief points made in the article referred to is that the chemist must be in a position to supply expert advice. This he should be well able to do, since there is perhaps no other retailer who is called upon so frequently to advise the public on matters not entirely applicable to pharmacy. It is assumed, of course, that he knows the subject. If in the past he has been apathetic to the photography side of his business this is not necessarily his fault. The manufacturing side of the photographic trade is, unlike its equivalent in other branches of industry, covered by comparatively few firms. It may not have been the intention, but as a result of increasing rigid control over the distributive end many photographic chemists, potential as well as actual, felt they were being squeezed out in favour of photographic dealers to whom the public must go for supplies. But just as the horse may be led to water but cannot be made to drink, the public who were in the habit of dealing with the photographic chemist continued to do so. The result, therefore, is that the chemist has now a definite position in the photographic industry and he would be well advised to claim it.

In the majority of cases photography must always be a sideline for the pharmacist, whose main business is to compound and dispense medicines as well as to make and sell cosmetics and perfumery. In this he is at a disadvantage with the dealer who can carry much more expensive apparatus and material, as this is the dealers' main business. The question therefore arises: Can he compete? In view of the developments in amateur photography mentioned in this article the answer is definitely in the affirmative. He cannot anticipate the wants of his customers as regards material, but he can discover their needs and supply them. The local camera club will help or a circular letter sent out would bring sufficient replies to induce encouragement. The supply of chemicals and solutions is obviously a field to cultivate, and in this direction the photographic chemical manufacturers can be relied on for expert advice.

London Drug Auctions

THERE has been a good deal of comment of late regarding the cancellation of the London drug auction that was due to be held at the Commercial Sale Rooms on November 24 last. Various reasons have been put forward for this withdrawal by brokers and it has even been suggested their action might portend the end of the sale of drugs by public auction in London. The fact is the circumstances at the time, November last, were not propitious for the sale. For some months marine war risks insurance rates had been abnormal and, partly on this account, the number and volume of fresh consignments landed here have been substantially less than usual. Then the national crisis at the end of September created an increased demand for these products which, on the one hand, depleted stocks and, on the other, covered consumers' requirements for some time ahead. Currency exchanges and the generally unsettled state of international affairs also adversely affected the position. At the time the sale was due to take place sellers were not anxious to sell and most buyers had ample supplies. Hence, the brokers decided not to hold the usual sale.

It has now been decided to hold four public auctions in 1939, the sales being fixed for January, April, July and August. It is, we think, to be regretted, that an effort was not made to revive the London sales by arranging to hold an auction, say, once a month. The *raison d'être* for the auctions is that they provide a regular and frequent facility to both buyers and sellers of these commodities to do business on terms that are both economical and convenient. A sale every three months is not likely to attract overseas shippers to consign their goods to London; a tri-monthly auction is useful to a merchant only for the possible disposal of odd parcels he has found difficulty in selling by private treaty, and buyers, home and abroad, do not, these days, wait the best part of three months on the chance that the goods they require may be listed in the sale catalogues. If, on the other hand, the brokers took the bold line and held their sales once a month, it might encourage shippers once more to send regular supplies of fresh goods for disposal "under the hammer": this should at once lead to a revival of interest on the part of the trade generally and would, in due course, be the means of introducing new overseas buying, which, during the past few months has shown a welcome sign of increasing. Foreign buyers might, as they used to do, recognise London as the centre for these products.

We are aware that a good deal of the buying and selling of these commodities is now done privately; we know that

some of the leading consumers sometimes import direct, and we hear that occasionally some brokers do not limit their commercial activities to brokerage business and, because of this, do not receive the support they might from merchants. We are, however, satisfied that London is still the world mart for these natural products, and this is confirmed by an inspection of ships' manifests, which show that the quantity and variety of drugs landed in and passing through London continues to-day on a vast scale. The London market has a high reputation for commercial integrity; its geographical position is favourable as the point for world collection and distribution of goods; the stability of sterling is not questioned; banking, insurance and shipping facilities are second to none and are recognised and operate throughout the world. Is the best advantage taken of these favourable conditions for international trade? The Continental markets, particularly Hamburg, have lost ground during the past year or two, partly on account of trade and currency restrictions. There is, we believe, a good opportunity for London to regain her former position as the world centre for the sale and purchase of crude drugs and kindred commodities, but we are afraid it will not be accomplished by the meagre facilities proposed for 1939.

Empire Essential Oils

DURING the past twelve years efforts have been made in various parts of the Empire to commence production of essential oils. In some few instances the projects have met with a fair amount of success, while in others protracted experiments and investigations have ended in failure. Details of exports of some Empire oils are given on p. 648. It can, however, be said that some progress has been made and there is little doubt that many of the experimental plantations and distillations which have been undertaken during the past few years, under the direction of the Imperial Institute, will bear fruit in the fairly near future. In the first place, and despite increased competition, the old established oils, such as, for instance, palmarosa, lemongrass and sandalwood of India and Ceylon citronella, continue to maintain their world supremacy. Of newer inception are most of the African oils. Considerable pioneering work has been done in Kenya Colony, where the foundation of a sound and progressive industry has already been built up. The production of geranium oil is increasing and this commodity has been well received. Production of cedarwood has, of course, been going on and increasing for some years. The efforts to grow peppermint have so far not met with the results anticipated, but gradually increasing quantities of lavender oil are reported. A number of oils have been produced on an experimental scale in Tanganyika Territory, including neroli, ylang-ylang and rose. Similar investigations are being carried on in British East Africa and Cyprus. There is a great future for peppermint, lavender and lemon oils produced within the Empire, provided the products are of the right quality and are available in sufficient quantities at the right price.

Strange Provisions

In the Food and Drugs Draft Bill published in 1937, Part IV dealt with the sampling and analysis of certain imported produce, providing that the Commissioners of Customs and Excise in taking a sample were to divide it into three parts, send one to the importer and one part to the Government analyst and retain one part. In any proceedings the Government chemist's certificate, as is usual, is deemed sufficient evidence unless objected to by the defendant after an independent analyst has given different findings, in which case the part retained by the Commissioners was to be sent to the Government analyst, thus allowing him to adjudicate on his previous findings. We understand that a strong protest was made by leading analysts against these provisions. And this is the result: Section 41 of the Food and Drugs Act, 1938, states:—

(1) The Commissioners of Customs and Excise (in this Part of this Act referred to as "the Commissioners") shall, in accordance

with directions given by the Treasury, take such samples of consignments of imported food as may be necessary for the enforcement of the provisions of this Part of this Act.

(2) Where the Commissioners take a sample of any consignment in pursuance of such directions, they shall divide it into not less than three parts, and send one part to the importer and one part to the Government Chemist and retain one part.

(3) Where a sample taken under this section has been analysed and it appears from the certificate of the Government Chemist that an offence under this Part of this Act has been committed, the Commissioners shall forthwith send a copy of the certificate to the importer.

Under Section 42 (6 and 7), which relates to proceedings for an offence under this part of the Act, appears the following:—

(6) In any such proceedings, the part of the sample retained by the Commissioners shall be produced at the hearing and the court may, if it thinks fit, and upon the request of either party shall, cause it to be sent for a joint analysis and report to the Government Chemist and some other person holding such qualifications as may be prescribed for the office of public analyst, and the costs of the analysis shall be paid by the prosecutor or defendant as the court may order.

(7) For the purposes of this section, a document purporting to be a certificate of the Government Chemist and produced by the prosecution, shall, until the contrary is proved, be taken to be such a certificate.

The alteration is in that instead of the Government chemist only having the third part of the sample, it is to be further divided into one-half part for the Government chemist and one-half part for some other person with the prescribed qualifications. It need hardly be added that public analysts are not satisfied.

Treatment of Rheumatic Diseases

THE developments in diagnosis and treatment of rheumatic diseases during the past twelve months have been brought under review by Kersley ("Practitioner," October, p. 467), who summarises the different forms of therapy in these conditions. *Rheumatoid arthritis*.—*Diet*.—Although this question is still in the balance, many authorities advocate the restriction of starch and an increase in uncooked fruit and vegetables. Evidence shows a deficiency of vitamins A and C, and possibly B, in many patients suffering from the condition. Many cases of rheumatoid arthritis improve on a diet in which meats are restricted, condiments avoided and where fresh fruits, salads, uncooked vegetables and milk are encouraged. *Gold therapy*.—This is still popular in this country, but smaller doses are favoured. Eight to ten injections are given, two months are allowed to elapse, and the course is repeated. Gold has now established itself in the treatment of this condition, until a superior agent is discovered. It is recommended that it only be resorted to for those patients who have had septic foci removed, or have not responded satisfactorily to other forms of treatment. *Bee venom*.—This is regarded as a method of counter-irritation, and from this point of view it is of value when given by intradermal injection. *Vaccines*.—These are less popular than previously, although the use of smaller dosage than that formerly advocated is of definite value in some cases. Autogenous vaccines should be begun with a high dilution (100,000 organisms per c.c.). It is thought that vaccines probably act in acute rheumatism as desensitising agents rather than by their function of specific immune body formation. *Sulphanilamides*.—It appears too early to draw conclusions on treatment with these compounds in this condition, although several observers are experiencing promising results. *Protein shock* caused by intravenous injections of TAB vaccine is still favoured by some authorities, as also is intramuscular injection of milk of sulphur. *Gout*.—Opinion tends to swing towards the probability of linking between gout and other forms of chronic rheumatism. A high content of uric acid in the blood is more likely to be a frequent symptom than of causative importance. The use of large doses of salicylates is an advance in the therapy of this condition. By administering sod. salicyl. gr. 80 and sod. bicarb. gr. 20 daily for three consecutive days per week, an increased excretion of uric acid is obtained, and in the majority of cases the blood uric acid is also reduced. *Sciatica*.—Treatment should consist of rest, counter-irritation, and superficial heat, followed later by massage.

Liability in Sales of Foodstuffs

THE question of the liability of manufacturers and retailers of foodstuffs came once more before the Courts recently in the case of Daniels & Daniels v. R. White & Sons, Ltd., and Tarbard. In this case a bottle of lemonade, which contained a quantity of carbolic acid in addition to the lemonade, had been purchased and consumed by a customer. The customer it should be noted had asked for and received a bottle of the manufacturers' lemonade mentioning the manufacturers by name. It was proved, however, that the manufacturers in the preparation of their lemonade had adopted a foolproof process which had been carried out under proper supervision, and that in all the circumstances they had taken reasonable care to see that there was in the lemonade no defect which would injure the customer. The Court accordingly held that inasmuch as there was no negligence on the part of the manufacturers, they were not responsible to the customer, but that on the other hand the retailer was, since there had been a sale of goods by description, and an implied warranty that the goods were merchantable accordingly arose.

A Leading Case

It may be convenient in the first place to examine the liability of the manufacturer towards the ultimate consumer who suffers damage in consequence of some defect in the article. The leading case on this point is, of course, the decision of the House of Lords in *Donoghue v. Stevenson* (the "Snail in the ginger beer bottle" case). Lord Atkin thus stated the principles of liability. "Both by Scots and English law alike, a manufacturer of products, which he sells in such a form as to show that he intends them to reach the ultimate consumer in the form in which they left him with no reasonable possibility of intermediate examination, and with the knowledge that the absence of reasonable care in the preparation or putting up of the products will result in an injury to the consumer's life or property, owes a duty to the consumer to take reasonable care." The duty, accordingly, will only arise where the article is delivered by the manufacturer to the wholesaler or retailer in such a form that, by reason of its packing or wrapping or otherwise, no interference with the contents can be reasonably expected intermediately between the delivery by the manufacturer and the ultimate delivery to the consumer. But it is important to appreciate the exact extent of his duty. It should carefully be noted that the manufacturer is in no sense an insurer. His duty is only a duty to take reasonable care. Nor in the event of a defect arising in the article will there be any presumption that the manufacturer was negligent. Negligence on his part must not only be alleged, but strictly proved. Where a manufacturer, therefore, can show that he has taken all precautions that could be reasonably expected of him in the circumstances, he cannot be held liable.

Liability of the Retailer

In such a case the customer's remedy must be limited to the retailer from whom he directly purchased the article in question. It is the retailer who in such cases will generally be liable for the customer will usually be able to show the existence of some implied warranty under the Sale of Goods Act, 1893, which has been broken by him. Thus it may be said, for example, that there was a sale of goods by description, which would give rise to an implied warranty that the article was merchantable and a defect in the article which rendered it deleterious would make it unmerchantable for the above purpose. In this connexion it would be as well to note the case of *Morelli v. Fitch & Gibbons*, 1928, 2 K.B. 636. This case indicates that if one asks for an article, even by the manufacturer's name, the sale will be a sale by description giving rise to an implied warranty as to its merchantable quality. In the above case, a customer asked for a bottle of a proprietary ginger wine at the licensed premises of the defendants, and while he was endeavouring to draw the cork with a corkscrew the bottle broke at the neck and injured him. It was held that the sale was one by description, that the bottle was not of merchantable quality, and that, accordingly, there had been a breach of warranty as to merchantability, entitling the customer to recover damages against the retailer. This decision is also of

importance in that it clearly decided that the implied warranty as to merchantability upon a sale by description will not be prevented from arising by reason of the purchase being across the counter, and such a sale therefore may well be a sale by description. Moreover, the fact that the goods were purchased under a trade name did not prevent the sale from being a sale by description. As Lord Justice Farwell stated in the case of *Bristol Tramways & Co. v. Fiat Motors*, "The implied condition that the goods are of merchantable quality applies to all goods bought from a seller who deals in goods of that description, whether they are sold under a patent or trade name or otherwise." But there may be a further ground on which the retailer can be held liable to the customer. Where a buyer expressly or implicitly makes known to the seller the particular purpose for which the goods are required, so as to indicate that he relies on the seller's skill and judgment, and the seller in the ordinary course is accustomed to supply goods of that description, there is an implied condition that the goods are reasonably fit for that description. Thus, if a hot-water bottle was purchased by a customer from a chemist and the bottle proved to be leaky or defective for the purpose (i.e., of a hot-water bottle), the chemist would be liable for breach of his implied warranty as to fitness referred to above. In *Daniels & Daniels v. R. White & Sons, Ltd.*, and Tarbard, however, the Court held that the customer did not rely on the seller's skill in judgment, so that the retailer was not liable on that ground. The retailer, however, was liable on the ground that there was a sale by description of an article which proved to be unmerchantable.

"Greaseless" Cold Creams

C. S. GLICKMAN ("Drug and Cosmetic Industry," 43-5-556) reports that, following investigation of reactions between aliphatic fatty acids and polyhydric alcohols, he discovered remarkable emulsifying properties in a compound formed from diethylene glycol and stearic acid. This product was a white to cream-coloured solid of waxy appearance, comparatively odourless and having the general composition:—

Mono-stearic-acid ester of diethylene glycol	..	..	..	69 per cent.
Sodium stearate	..	..	..	4 per cent.
Stearic acid (uncombined)	..	..	..	27 per cent.

The compound was soluble in hydrocarbons, had a melting point of 58 C., and was dispersable in hot water, the dispersions having a pH value of less than 7. He recommends its use as an emulsifier in cosmetics, especially in the preparations of so-called "greaseless" cold creams of inexpensive character, three suggested formulas being:—

I				
Emulsifier as above	..	..	..	50 lb.
Hard paraffin	..	..	..	75 lb.
Soft white paraffin	..	..	..	45 lb.
Liquid paraffin	..	..	..	5 gal.
Water	..	..	..	27 gal.
Potassium carbonate	..	..	..	12 oz.

II				
Emulsifier as above	..	..	..	11
Soft white paraffin	..	..	..	8
Hard paraffin	..	..	..	6
Liquid paraffin	..	..	..	20
Water	..	..	..	75
Borax	..	..	..	1

III				
Emulsifier as above	..	..	..	8
Liquid paraffin	..	..	..	3
Hard paraffin	..	..	..	15
White soft paraffin	..	..	..	7
Stearic acid	..	..	..	1
Borax	..	..	..	2
Water	..	..	..	100

Figures represent parts by weight

EASY.—"Should you be unfortunate enough to get a spot of grease on your silk blouse or frock, pour a drop of eau de Cologne over it and leave for a while. It will quickly evaporate, taking the grease with it."—"Liverpool Echo."

How to Make Winter Photography Pay

DURING the last six or seven years the popularity of photography among the general public has been increasing, but, what is of greater importance to all connected with the trade, the number of real amateurs—those who do their own work—has grown enormously. This is confirmed by the manufacturers of sensitised material and apparatus, by the greater number of camera clubs that are being formed and by the increased membership of existing societies. It is also evidenced by the large entries to the exhibitions and competitions which have been held. Who could have imagined ten years ago that miniature-camera photography would have proved such a tremendous success; it is phenomenal, but it has done much to popularise and stabilise the hobby. Manufacturers have been quick to realise the movement, for never before perhaps has so much instructive and useful literature been so widely distributed by the trade; booklets have been posted to applicants, or sent to the retailers if they desired them, not in tens of thousands but in hundreds of thousands. In some towns the educational authorities have introduced photographic classes into the technical schools, because they realise that the subject is not only one of absorbing interest but also one giving employment to thousands of people.

Winter Photography is Home Photography

This includes such branches of the work as flashlight, gas-light and bromide printing, enlarging, lantern-slide making, toning and tinting, mounting and such processes as intensifying and reducing. For many reasons work of this nature is not done during the summer time, which period is devoted to outdoor work making negatives. Big sales have been known to result from a simple window display of photographic apparatus. The public can be invited to come in and be shown how to do their own printing; five minutes' talk will be sufficient to convince the average individual that the work is interesting and simple. At another time an enlarger could be fitted up in the window; the public will see by day the enlarger and easel with the dishes and so forth, but at night the light in the enlarger will project the image on the screen and there should be visible a contact print from the same negative. It will be found to be a good plan to have some small leaflets printed with details of the process and a price list of the apparatus and material required for the work to hand to inquirers. Let the chemist invite those who start the work to bring their first results in for advice when they have gone wrong. This is good propaganda, and it will have satisfactory results which will extend throughout the summer.

From October to April the local society will hold regular weekly meetings, and most societies have one or two members who are connected with the trade. It is as well to arrange a small display of goods at the annual exhibition. A good display of photographic journals and books will be found an attraction. It is surprising how many technical books are sold every year; some chemists have found it remunerative to have a small lending library of such books as the enthusiastic amateur should read. The up-to-date retailer is the man whom everyone likes to know and patronise.

Answers to Questions

There is another striking indication of the growth of amateur photography which is apt to be overlooked by the retailing side of the trade, yet it should be quite an important feature of it and certainly a means by which sales could be influenced. It is the great increase in the number of queries which manufacturers receive daily from users of their apparatus or material. Many of these inquiries are addressed to the right source for information when sent to the manufacturers or journals, but the majority could readily be answered by the retailers and it would be good for sales if they could be diverted to dealers; doubtless they already get plenty, and possibly there are many chemists who are willing and perhaps are trying to get more of this direct contact with their local workers. It is significant to note that the Photographic Dealers' Association is inaugurating a scheme of examinations for assistants. The candidates are informed of books which they should study in order that they may acquire the essential information to satisfy the examiners, and if their results are satisfactory a diploma will be given them and they will be permitted to sit for a second and more advanced test. The present-day amateur is rather backward in experimenting. This does not necessarily indicate that he is lazy, but rather that he does not want to spoil any of his work for the sake of asking questions of one who knows more than he does. That is why it is a common thing to be asked: How many spools can ten ounces of developer do? Will two ounces of fixing do a whole packet of gaslight paper? Why have I got such a thin image on this film? What is a desensitiser used for? The photographic dealer should ask to see some of the work the amateur is doing, and is thus afforded an opportunity to show him how to improve his printing by avoiding stains or by using a more suitable paper, thus encouraging him to take more interest in his hobby. This will undoubtedly be of material advantage and before long that customer will prove a good representative, for he will be sending his friends for their requirements.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary and Year-Book," 1938, p. 302.

(From "The Trade Marks Journal," November 30, 1938)

SCHEDULE IV

- "FERTEX"; for chemical nutrient solutions for agriculture, etc. (1). By Arthur Myddleton, 9 The Ridge, Surbiton, Surrey. 602,003.
- "DEODOLAV"; for detergents for lavatory bowls (3). By F. Mitchell (Chemist), Ltd., 55 Darley Street, Bradford, Yorks. 600,122. (Associated.)
- "KALOKLEAR"; for soap, perfumery, etc. (3). By Queisser & Co., Eimsbuttelchaussee 69, Hamburg 19, Germany. 601,403.
- "SCAMP"; for soap, perfumery, etc. (3). By J. Margerison & Co., Ltd., White Windsor Soap Works, Leighton Street, Preston. 601,448.
- "KALODERMA"; for perfumery, etc. (3). By F. Wolff & Sohn, G.m.b.H., 31 Robert Wagner Allee, Karlsruhe, Baden, Germany. 601,419. (Associated.)
- "MICOPIC" and "SEETONA"; for preparations for face and skin (3). By Bionmetica, Ltd., 5 Rampayne Street, Vauxhall Bridge Road, London, S.W.1. 602,049/50.
- "CANNON RUNDOWN" with device of cannon (word "Rundown" disclaimed); for pharmaceutical preparations, etc. (5). By Stonham & Son, Ltd., 70 Bank Street, Maidstone. 600,521. (Associated.)

"OVOCYLAN"; for pharmaceutical and veterinary substances, etc. (5). By Society of Chemical Industry in Basle, 141 Klybeckstrasse, Basle, Switzerland. 601,211.

"STANARIS"; for medicated powders, ointments, etc. (5). By The York Medical & Surgical Rubber Co., 67 Petergate, York. 601,231.

"SUNCAP"; for animal and poultry medicines (5). By J. L. Baxter, Bate Mill, Chelford, near Crewe. 601,575.

"TROIITAL"; for menstruation appliances (5). By Bernhard Braunschweig, 9 Rue de la Douane, Paris. 601,624.

"HEDNURA"; for preparations for headache, etc. (5). By W. J. Cowie, 123 Mount Road, Birkenhead. 602,142.

"ZIKITO"; for medicines (5). By Coraline Co., Ltd., 19 Hillcrest, Monkseaton, Northumberland. 602,247.

APPLICATION AMENDMENT

The specification for "REVESTRONE" in Class 3, No. 584,427, by The Society of Chemical Industry in Basle, has been amended to "A female sex hormone preparation."

(From "The Trade Marks Journal," December 7, 1938)

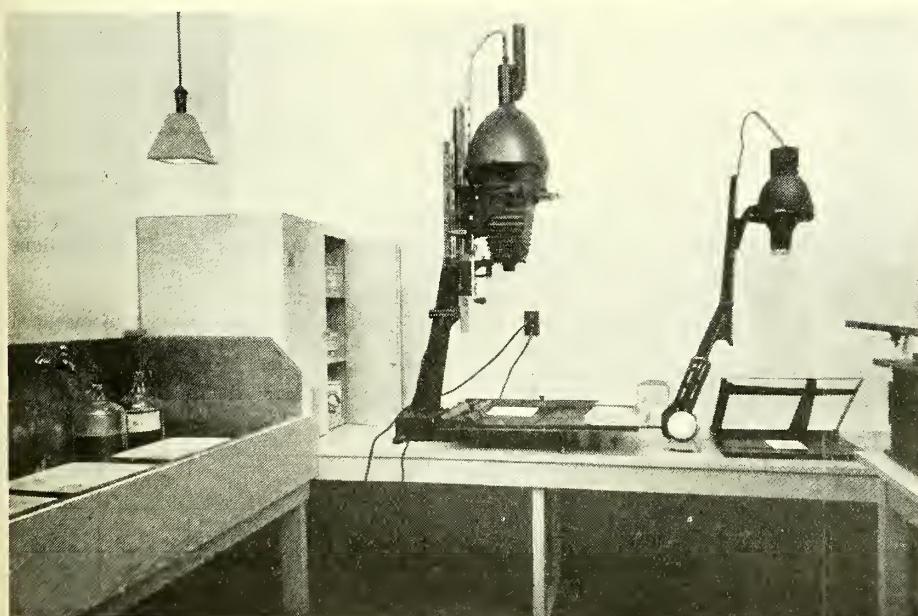
SCHEDULE III—SPECIFICATIONS

- "UNEMOL"; for photographic chemicals, etc. (1). By Universal Emulsifiers, Ltd., 20 Cockspur Street, London, S.W.1. 585,824.

A United States Photographic Department



IN Dallas, Texas, Skillern's "Better Service" Drug Stores, totalling twenty-four branches, operate a central developing, printing and enlarging department for all shops in the group. The photo-finishing department employs seven persons and occupies about 1,200 sq. ft. of space. The plant is set up for straight-line operation, and is so arranged that addition of two or three more machines would increase capacity about 100 per cent. A film-developing machine has a capacity of 150 rolls per hour. The printing room is air-conditioned; there are also a packaging and sorting room with dryer and print straightener, a room for developing miniature films, and an enlargement room. A good seasonal business is done in photographic Christmas cards, and a series of souvenir post-



cards of local places of interest, to be sold exclusively in the Skillern stores, is in course of preparation.

Another American business that has developed its photographic department considerably is Caplan's Drug Store, Harrisburg, Philadelphia. A space of 10 ft. square was set aside and an expert was put in charge, whose method is first to demonstrate all the movements of the camera and then to take a picture of the customer, finally allowing the customer to take a photograph in the shop or just outside. This usually results in a sale. It is done only with the more expensive cameras, the operation of which often appears complex to the amateur.

The illustrations are of Skillern's Drug Stores, and show: *Top*, display of cameras and films; *centre*, printing department with automatic printer, drum drier and print trimmer; *bottom*, enlargement room with auto-focus and miniature enlargers.

Empire Essential Oils Exports

THE following tables give details of exports of the chief essential oils shipped from the Empire countries specified. These returns have been compiled by reference to the trade and official publications issued in Empire countries and with the co-operation of the Imperial Institute, London.

Imperial Institute Consultative Committee

Amongst the many activities of the Imperial Institute undertaken with a view to promoting the industrial utilisation of the raw materials of the Empire, importance is attached to the work of its technical committees. These committees are composed of authorities representing commercial and trade interests, technical experts on the various raw materials concerned, and also members nominated by official departments. The Consultative Committee on Essential Oils, which when first constituted in 1926 dealt also with resins, has for its chairman Dr. P. C. C. Isherwood, O.B.E., F.I.C. This Committee is concerned with various questions relating to the development of Empire resources of essential oils and their utilisation in industry. Special attention has been devoted to the essential oil industries in Seychelles and Kenya, and numerous inquiries have been dealt with relating to the production of essential oils in other countries, including South Africa, Tanganyika, Uganda, Northern and Southern Rhodesia, Nyasaland, Sudan, India, Burma, Ceylon, British Guiana, the West Indies and Cyprus. Consideration has been given to the possibilities of promoting the production within the Empire of oils such as geranium, lavender and peppermint and associated products such as camphor, which are largely or entirely derived from foreign countries, and useful work has been accomplished in this direction. The Committee is also concerned with the commercial utilisation of various essential oils hitherto unknown to the trade, and has afforded much assistance in this connexion.

India

Oil	Year	Unit	Quantity	Rupees
PALMAROSA ...	1932-33	gallons	7,373	2,50,305
	1933-34	gallons	8,334	2,18,948
	1934-35	gallons	10,045	2,75,633
	1935-36	gallons	10,437	2,79,702
	1936-37	gallons	8,129	2,36,977
	1937-38	gallons	10,837	4,13,413
Exports to the United Kingdom.				
	1932-33	gallons	917	42,650
	1933-34	gallons	657	28,400
	1934-35	gallons	745	24,525
	1935-36	gallons	493	17,420
	1936-37	gallons	472	17,350
GINGERGRASS ...	1932-33	gallons	101	2,750
	1933-34	gallons	129	3,400
	1934-35	gallons	50	1,500
	1935-36	gallons	125	2,780
	1936-37	gallons	28	750
LEMONGRASS ...	1932-33	gallons	43,098	4,17,746
	1933-34	gallons	45,416	6,29,919
	1934-35	gallons	27,790	11,77,485
	1935-36	gallons	98,877	12,59,804
	1936-37	gallons	87,213	7,17,838
	1937-38	gallons	90,121	7,22,845
Exports to the United Kingdom.				
	1932-33	gallons	10,564	99,938
	1933-34	gallons	14,075	2,01,523
	1934-35	gallons	15,490	2,28,053
	1935-36	gallons	20,453	2,53,120
	1936-37	gallons	25,470	1,99,846
SANDALWOOD ...	1932-33	gallons	6,267	7,47,383
	1933-34	gallons	8,192	9,24,476
	1934-35	gallons	9,376	9,77,975
	1935-36	gallons	11,205	11,09,888
	1936-37	gallons	15,185	14,12,677
	1937-38	lb.	119,634	13,86,216
Exports to the United Kingdom.				
	1932-33	gallons	3,046	3,53,265
	1933-34	gallons	5,236	6,21,973
	1934-35	gallons	5,222	5,67,230
	1935-36	gallons	6,637	7,13,436
	1936-37	gallons	7,656	8,29,119

Ceylon

Oil	Year	Unit	Quantity	Rupees
CITRONELLA ...	1936	lb.	1,271,039	513,268
	1937	lb.	1,521,755	1,328,601
	1938	lb.	1,216,000	880,000
CINNAMON LEAF ...	Jan.-Sept. }	oz.	3,173,625	429,922
	1936	oz.	2,892,039	423,523
	1937	oz.	2,117,000	335,000
CLOVE ...	Jan.-Sept. }	cwt.	165	5,608
	1936	cwt.	262	15,713

Kenya Colony

Oil	Year	Unit	Quantity	£
GERANIUM ...	1937	lb.	U.K. ... 1,814	907
		lb.	U.S.A. ... 2,261	933
		lb.	Canada ... 442	221
CEDARWOOD ...	1937	lb.	U.K. ... 18,766	649
		lb.	Holland ... 2,103	71
		lb.	France ... 1,354	80
OTHER OILS ...	1937	lb.	U.K. ... 168	63
		lb.	France ... 431	211
		Others ...	53	4

A limited quantity of lavender oil has been produced and exported, and the experimental production of other oils is also reported.

Tanganyika

BITTER ORANGE ...	1936	lb.	5,891	—
	1937	lb.	4,704	—

In 1937 a distillation plant was erected at Sigi Segoma for production of petitgrain oil and a still is projected for neroli. Experiments are being carried on in ylang-ylang in Tanga area, and geranium, rose and eucalyptus in Iringa district. Limited quantities of lemongrass are now being produced.

Seychelles

CINNAMON BARK ...	1937	kilog.	14½	Rupees
	1935	kilog.	55,130	—
CINNAMON LEAF ...	1936	kilog.	71,757	—
	1937	kilog.	70,289½	318,527
LEMONGRASS ...	1937	kilog.	103	184
PATCHOULI ...	1935	kilog.	4,679	—
	1936	kilog.	2,902	—
	1937	kilog.	2,334½	32,603

Zanzibar

CLOVE STEM ...	1937	lb.	94,617	£
	1938	lb.	225,000	11,723
CLOVE ...	1937	lb.	(approx.) 652	98

Australia

Details of quantities of sandalwood and ti-tree oils exported from Australia are not available.

During the year June 1, 1936, to May 31, 1937, the quantity of eucalyptus oil shipped from Australia to all destinations amounted to 151,537 gallons, valued at £82,457.

British West Indies

DOMINICA ESSENTIAL OIL EXPORTS.—Shipments of essential oils in 1937, amounted to 30,657 lb., valued at \$62,000, compared with 32,280 lb., valued at \$73,000 in 1936, and 25,439 lb., valued at \$54,000 in 1935. The increased volume of exports is due chiefly to larger shipments of lime and bay oils.

TRINIDAD.—Exports of LIME OIL were as follows:

Year	Gallons	Value	Year	Gallons	Value
1933 ...	1,889	\$ 108,360	1936 ...	2,714	\$ 91,834
1934 ...	2,882	120,264	1937 ...	5,124	230,873
1935 ...	1,949	74,381			

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, December 8

In some directions, principally in natural products, the demand has been rather better this week, but the general tone continues quiet. With but few exceptions, values are quoted steadily. Business in PHARMACEUTICAL CHEMICALS is hardly up to seasonal expectations, due, possibly, to some extent to the continued mild weather. The revised prices noted last week for STRYCHNINE SALTS, MERCURIALS and PHENOL continue to operate. The five per cent. advance in CAFFEINE and THEOBROMINE has been confirmed, but so far the new scales of prices have not come to hand. DIGITALIN is reported to be in short supply and sharply dearer.

Crude Drugs

Some few lines are reported to have met with a steady and increasing demand, but business as a whole is somewhat restricted in volume. Spot stocks of AGAR have been further depleted by a good home and re-export demand, with higher prices paid; shipment quotations for new crop are also dearer. Fair business in Curaçao ALOES at full prices; market continues very firm, with no shipment offers. Rather more spot business in CASCARA SAGRADA; market fully steady. A steadier tone is reported in ERGOT, and some holders' prices show a recovery. Inquiry for Matto Grosso IPECACUANHA. Japanese MENTHOL has had a quiet week; market is steady. The sterling quotation for MERCURY shows no further advance. A parcel of Turkish OPIUM arrived in London this week. PEPPERS are slightly easier forward. PIMENTO is firm, with the shipment quotation rather dearer. Stocks of rough round RHUBARB on spot are now very limited, with the cheaper grades reported cleared. The spot position of SENEGA continues firm, and there are no shipment offers. All descriptions of SENNA are quoted unchanged; business quiet. SHELLAC is steadier. Amber grades of TRAGACANTH have been in fair request. The tone in Madras finger TURMERIC is not so strong, but there appears to be no "polished" spice available here. WAXES have been quiet. The annual sale of CASTOREUM is reported on.

Essential Oils

There has been no improvement in the demand for these products, with the markets continuing quiet. Spot supplies of ANISE (STAR) meet with a slow call. The few drums of Japanese white CAMPHOR are held for full prices; there appears to be no brown oil here nor supplies of the Chinese oil. CASSIA is a slow market. Quite a good business is reported on spot in Australian EUCALYPIUS, and stocks here of good oil are now only moderate. Still practically no interest in this market in Sicilian hand-pressed LEMON; the shipment market is perhaps a trifle easier, but still well above buyers' ideas of values. Limited supplies of CALIFORNIAN oil are now available. OLIVE has met with quite a brisk demand and prices are again dearer. French Guinea ORANGE continues to offer cheaply, but the demand for the new crop oil seems to be lacking in any volume. PALMAROSA is steady at the recent advance. Japanese PEPPERMINT has been rather quiet on spot; the shipment market is fully steady. Tunis ROSEMARY is reported to have sold in good volume on this market recently.

London Drug Auctions, 1939

DRUG auctions will be held at the Commercial Sale Rooms, Mincing Lane, London, E.C.3, on the following dates during 1939: January 26; April 27; July 13, and October 19.

Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:

Centre	Quoted	Par	December 1	December 8
Amsterdam	Fls. to £	12·107	8·56	8·62
Berlin	Mks. to £	20·43	11·65	11·70
Brussels	Belgas to £	nominal	27·60	27·80
Copenhagen	Kr. to £	18·159	22·40	22·40
Lisbon	Esc. to £	110	110	110
Madrid	Ptas. to £	25·24½	nominal	nominal
Milan	Lire to £	92·46	88½	89
Montreal	Dols. to £	4·86½	4·69	4·72½
New York	Dols. to £	nominal	4·66½	4·67½
Oslo	Kr. to £	18·159	19·90	19·90
Paris	Fr. to £	124·21	178½	177½
Prague	Kr. to £	164·25	136½	137
Stockholm	Kr. to £	18·150	19·40	19·40
Warsaw	Zloty to £	43·38	25	25
Zurich	Frs. to £	25·2115	20·55	20·70

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

THE demand for these products continues on a limited scale. Prices quoted mostly continue steady. Continental caffeine and theobromine, as notified last week, are up by 5 per cent., but the new values have not yet been notified. Prices for British products have been advanced to the same extent.

ACETANILIDE.—Quiet, with values unchanged: B.P. crystals and powder quoted at 1s. 7d. to 1s. 10½d. per lb., as to quantity.

AMIDOPYRINE.—Dealers' quotations competitive: crystals, two cwt., 9s. 4d.; one cwt., 9s. 8d.; less than one cwt., 10s. per lb., with powder 2½d. per lb. extra.

AMMONIUM ICHTHIOSULPHONATE.—The scale of prices is steady: one cwt., 1s. 6½d. in 14-lb. tins; 1s. 8d. in 1-lb. tins; 1s. 10d. in 8-oz. tins; and 2s. 1d. per lb. in 4-oz. tins.

ASPIRIN.—Makers' and dealers' prices are steady: home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 3s.; 14 lb., 3s. 1½d.; 7 lb., 3s. 2½d.; 4 lb., 3s. 4½d.; 1 lb., 3s. 7d. per lb. Bulk packing free, net, carriage paid. Contracts over twelve months, minimum one ton; over six months, less than one ton.

BENZOIC ACID (B.P.).—Demand moderate, quoted unchanged: five cwt., 1s. 7½d.; one cwt., 1s. 8d.; smaller parcels, from 1s. 9d. to 2s. 2d. per lb., ex store, as to quantity.

BORIC ACID (B.P.).—Makers' prices continue steady: granulated, £36 10s.; crystals, £37 10s.; powder, £38 10s.; extra fine powder, £40 10s. per ton, in 1-cwt. bags, carriage paid to buyers' works on 1-ton minimum. Commercial quality, £8 per ton cheaper for all descriptions.

BROMIDES.—Makers' scales of prices steady. POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 1s. 12d.; 28 lb., 2s. 3d. per lb. net. Resale clause applies. 28-lb. parcels and one-cwt. cases free. Smaller quantities than 28 lb. at higher prices. Export quotations are maintained as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. AMMONIUM, B.P., five cwt., 1s. 6½d.; one cwt., 1s. 7d. per lb. f.o.b.

BUTYL CHLORAL HYDRATE.—Occasional spot demand: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—Continental and British materials have been advanced approximately 5 per cent., but the new scales have not yet been published.

CHLORAL HYDRATE.—Steady at makers' prices; duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 2d.; one cwt., 3s. 3d.; 28 lb., 3s. 4d. per lb.; 28-lb. jars one penny per lb. extra.

CITRIC ACID (B.P. CRYSTALS).—Quoted unchanged: British material quoted at 1s. 0½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

COCAINE.—British makers' prices for wholesale bulk quantities are quoted as follows:—HYDROCHLORIDE and NITRATE, 25 oz. and over, 29s. 6d.; 16 oz. and less than 25 oz., 30s. 9d.; over 8 oz. and less than 16 oz., 31s. 9d. per oz. PURE, CITRATE and SALICYLATE, 25 oz. and over, 32s. 6d.; 16 oz. and less than 25 oz., 33s. 6d.; over 8 oz. and less than 16 oz., 34s. 6d. per oz., 16-oz. packages free, smaller packing extra. The scales of prices applicable to distributors of smaller quantities are as follows:—HYDROCHLORIDE and NITRATE, 8 oz., 34s. 1d.; 4 oz. and less than 8 oz., 34s. 7d.; 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2 oz., 36s. 5d.; ½ oz. and less than 1 oz., 37s. 11d.; ¼ oz. and less than ½ oz., 40s. 11d. per oz. PURE, CITRATE and SALICYLATE, 8 oz., 36s. 10d.; 4 oz. and less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 39s. 2d.; ½ oz. and less than 1 oz., 40s. 8d.; ¼ oz. and less than ½ oz., 43s. 8d. per oz., packages extra. Resale: Sales subject to buyers undertaking not to resell any quantity below the scale prices for such quantity current at the time of resale. Export prices vary according to destination.

CREAM OF TARTAR.—Market is steady: British material, 99 to 100 per cent., 92s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

CREOSOTE (B.P.).—Market is dull: bulk quantities, in 25-kilo demi-johns, 1s. 6d.; small parcels, 1s. 7½d. up to 2s. per lb., ex store.

EPHEDRINE.—Seasonal business rather quieter, with makers' prices steady: Hydrochloride, B.P., quoted at about 6s. per oz. for minimum 1,000-oz. lots; small quantities, up to 7s. Pure alkaloid is quoted from 7s. 9d. to 8s. 3d. per oz., as to quantity.

IODIDES.—Makers' prices for salts steady. POTASSIUM, B.P.—Not less than 1 cwt., 5s. 3d.; not less than 28 lb., 5s. 6d.; not less than 14 lb., 5s. 9d.; not less than 7 lb., 6s. 3d.; not less than 4 lb.,

6s. 9d.; smaller quantities, 7s. 3d. per lb. SODIUM, B.P.—Not less than 7 lb., 7s. 4d.; not less than 4 lb., 8s.; smaller quantities, 8s. 10d. per lb. IODINE, B.P., RESUBLIMED.—Not less than 1 cwt., 5s. 9d.; not less than 28 lb., 6s.; not less than 14 lb., 6s. 3d.; not less than 7 lb., 6s. 9d.; not less than 4 lb., 7s. 5d.; smaller quantities, 8s. 2d. per lb. IODOFORM, B.P., CRYST., PRECIP. OR POWDER.—Not less than 28 lb., 8s. 3d.; not less than 14 lb., 8s. 7d.; not less than 7 lb., 9s. 3d.; not less than 4 lb., 10s. 1d.; smaller quantities, 10s. 10d. per lb. Contracts for 1 cwt. and upwards (assorted if required), with fall clause, for delivery as required during four months. 28-lb. tins and 1-cwt. cases free. All bottles are charged, but will be credited in full if returned carriage paid, in good condition, within three months. Carriage paid on any quantity. It is a condition of sale that buyers undertake not to resell any quantity of the above products at prices below the scale for any such quantity current at the time the sale is made.

LACTIC ACID (B.P.)—Limited inquiry, quoted unchanged: quantities, in carboys, 1s. 4d. to 1s. 5d.; in winchesters and bottles, 1s. 6d. up to 2s. per lb., as to quantity.

MERCHIRALS.—Makers' prices were advanced 6d. per lb. for all salts, as from December 1. Terms net, without engagement. Special prices for larger quantities and contracts. Bulk prices for assorted salts.

	Less than 28 lb.	Not less than 28 lb.	Not less than 112 lb.
Ammoniated Lump B.P. (White Precip.)	s. d.	s. d.	s. d.
Powder B.P.	6 4	6 0	5 11
Bichloride Lump B.P. (Corros. Sub.)	6 6	6 2	6 1
Powder B.P.	5 7	5 3	5 2
Chloride B.P. Calomel	5 3	4 11	4 10
Red Oxide Cryst. B.P.C. (Red Precip.)	6 4	6 0	5 11
Levig. B.P.C.	7 5	7 1	7 0
Yellow Oxide B.P.	6 9	6 5	6 4
Persulphate White	6 6	6 2	6 1
Sulphide Black (Hyd. Sulph. cum. Sulph. 50%)	6 5	6 1	6 0

METHYL SALICYLATE.—Makers' scale of prices steady, limited business: spot, ten cwt., 1s. 1d.; five cwt., 1s. 2d.; one cwt., 1s. 2d.; less than one cwt., 1s. 3d.; small quantities, in bottles, up to 2s. per lb.

PHENACETIN.—Home makers' prices are steady: crystals or powder, bulk quantities, from 2s. 6d.; smaller parcels, 2s. 7d. up to 3s. per lb., as to quantity.

PHENAZONE.—Limited spot inquiry; quoted keenly: crystals, five cwt., 6s. 9d.; two cwt., 7s.; one cwt., 7s. 3d.; and less, up to 7s. 6d. per lb., with powder 2d. per lb. extra.

POTASSIUM PERMANGANATE (B.P.)—British makers' scale of prices for home trade is as follows: Not less than one cwt., 10d.; not less than three cwt., 10d., in drums; not less than five cwt., 9d. in 1-cwt. drums and 9d. in 5-cwt. drums, net, delivered buyer's station, drums free. Technical or commercial quality, one cwt., 9s.; three cwt., 9s. 6d.; five cwt., 8s.; one ton, 8s. 6d. per cwt., in 1-cwt. drums.

POTASSIUM SULPHOGUAIACOLATE.—The spot value is unchanged at about 6s. 2d. per lb., as to quantity.

QUININE SALTS.—Convention prices continue steady at the recent advance: sulphate, 2s. 3d.; bisulphate, 2s. 3d.; ethyl carbonate, 2s. 11d.; salicylate, 2s. 11d.; hydrochloride, 2s. 10d.; dihydrochloride, 3s. 11d.; hydrobromide, 2s. 10d.; dihydrobromide, 3s. 11d.; valerianate, 3s. 9d.; phosphate, 3s. 5d.; hydrophosphate, 4s. 11d.; alkaloïd, 3s. 11d. per oz., 100-oz. tins free, carriage paid on bulk quantities.

RESORCIN.—Makers' prices; no imported material: 56 lb., 5s. 6d.; 28 lb., 5s. 7d.; 14 lb., 5s. 9d.; 7 lb., 6s.; smaller parcels, up to 6s. 6d. per lb.

SALICYLIC ACID (B.P.)—Makers' prices are steady, moderate business: five cwt., 1s. 7d.; one cwt., 1s. 7d.; 28 lb., 1s. 10d.; 14 lb., 1s. 11d.; 7 lb., 2s. 0d.; 4 lb., 2s. 2d. per lb.

SALOL.—Competitive quotations for bulk quantities: 2s. 2d. to 2s. 4d. per lb., as to quantity.

SANTONIN.—Market continues quiet: bulk quantities, £10 5s.; and small parcels, up to about £12 10s. per kilog.

SODIUM BENZOATE (B.P.)—Steady business: five cwt., 1s. 3d.; one cwt., 1s. 4d.; smaller parcels, from 1s. 5d. to 2s. per lb., as to quantity.

SODIUM DIETHYLBARBITURATE.—Demand quiet: spot, one cwt., 11s.; 28 lb., 11s. 3d.; 14 lb., 11s. 6d.; 7 lb., 11s. 9d.; smaller parcels, up to 12s. 3d. per lb.

SODIUM SALICYLATE (B.P.)—Makers' prices steady; fair amount of small business: prices for home trade, crystals or powder, five cwt., 1s. 5d.; one cwt., 1s. 6d.; 28 lb., 1s. 9d.; 14 lb., 1s. 10d.; 7 lb., 1s. 11d.; 1 lb., 2s. 4d. per lb.

SULPHONAL.—Little inquiry, market competitive: crystals or powder, two cwt., 15s. 5d.; one cwt., 15s. 10d.; 56 lb., 16s. 1d.; smaller parcels, up to 16s. 7d. per lb.

STRYCHNINE SALTS.—Makers' scales of prices for these products have been revised. Home trade and Empire (excluding Canada) prices are as follows:—

	Under 250 oz.	250 oz. and under 500 oz.
Pure Crystals	Per oz. s. d.	Per oz. s. d.
Pure Precip.	1 4	1 3½
Acetate	1 4	1 3½
Arseniate	1 10½	1 10
Arsenite	1 9½	1 9
Bisulphate	1 10½	1 10
Hydrochloride	1 2	1 1½
Hypophosphite	3 4½	3 4
Nitrate Crystals	1 2	1 1½
Nitrate Powder	1 2	1 1½
Nitrate Powder No. 2	0 10½	0 10½
Phosphate	2 1½	2 1
Sulphate Neut. Cryst.	1 0½	1 0
Sulphate Neut. Powder	1 0½	1 0
Sulphate Neut. Powder No. 2	0 10½	0 10½

Terms net 30 days. 25-oz. tins free. Smaller packages charged extra. 1-oz. bottles 2d. extra. Delivered home market or c.i.f. export. For export: discount 1 per cent, cash in 10 days. Cases free. Buyers held covered against price reduction for 10 days after arrival of steamer at port of destination. Contracts can be booked for 250 oz. upwards with fall clause, delivery over six months.

TARTARIC ACID (B.P. CRYSTALS).—Continues steady: British makers quote at 1s. 1d. per lb., less 5 per cent. discount, dealers offering foreign materials at competitive prices.

THIOBROMINE.—The Continent notifies an advance of approximately 5 per cent. in their prices, but the new scales have not yet been published.

THYML.—Synthetic, fine white, one cwt., 6s.; 56 lb., 6s. 4d.; 28 lb., 6s. 9d.; less than 28 lb., 7s. 6d. per lb., tins extra; ex ajowan seed, one cwt., 8s. 5d.; 56 lb., 8s. 10d.; 28 lb., 9s. 5d.; 14 lb., 10s. 6d. per lb.

VANILLIN.—Convention prices for home trade are unchanged: ex clove oil or guaiacol, five cwt., 11s.; one cwt., 11s. 1d.; 56 lb., 11s. 3d.; smaller quantities, 11s. 6d. per lb.

Crude Drugs, etc.

AGAR.—A good home trade continues, and export business is also well sustained. Large inquiries from South America on the market. Spot and forward markets very steady, with supplies here now running low: spot, Kobe, No. 1, 3s. 4d.; to 3s. 6d.; No. 2, 3s. 2d. to 3s. 3d.; Yokohama, No. 1, 3s. 2d. per lb.; shipment, old crop reported all sold, with no further offers being made. New crop, January–February, Kobe, No. 1, 2s. 11d. to 3s. 1d., as to shipper. February–March, Kobe, No. 2, up to 3s.; Yokohama, No. 1, 2s. 11d. per lb., c.i.f. Good business for goods in bond, with 2s. 11d. paid and 3s. now wanted.

ALKANET ROOT.—Dealers are offering spot supplies of root at about 5os. per cwt., ex store.

AOLES.—Rather more business on spot in Curaçao, with full prices reported paid: Cape, spot, in boxes, 54s.; shipment, 46s. per cwt., c.i.f. Curaçao, spot, 165s. for coarse up to 175s. to 180s. for livery.

ANTIMONY.—Market is steady: Chinese, crude, spot, £38; shipment, December–January, £32, c.i.f. English regulus, £71 per ton, ex store.

BALSAMS.—Not much demand, steady: Tolu, 1s. 9d.; Canada, 3s.; shipment, 2s. 10d.; Copaiba, 1s. 8d.; Peru, 4s. 1d. per lb., spot.

BELLIADONNA.—Root is very scarce on spot: leaves, 56s.; root, nominal per cwt., spot.

BENZOIN.—Little doing, market steady: Benzoin quoted steadily at 7os. to 9os. per cwt., as to quality. Siam, medium almonds, £26 10s.; bean and pea, £21 per cwt., ex store.

BUCHU.—Quoted unchanged; a few bales reported cleared: rounds, 1s. 4d. to 1s. 6d., as to quality; ovals, 1s. 3d. to 1s. 4d. Last season's ovals, at about 1s. 2d. per lb. in bale lots. No prices for next season's leaves.

CAMPHOR.—Routine spot demand at unchanged prices: Japanese monopoly BB brand, £7 10s. per 100 lb.; Japanese, natural, spot, tablets, 2s. 6d.; powder, 2s. 3d.; slabs, 2s. 2d. per lb., ex store; shipment, tablets, 2s. 2d.; powder, 1s. 10d.; slabs, 1s. 10d. per lb., c.i.f.; English refined flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ¾ oz. and 1 ¼ oz., 3s. 6d.

CANTHARIDES.—Not much inquiry on the market: Russian, 4s. 3d. to 4s. 6d.; Chinese, spot, 2s. to 2s. 1d. per lb., as to quantity.

CASCARA SAGRADA.—Rather better demand on spot, chiefly for 1938 bark, which has sold at full prices: spot, 1938 bark, 52s. 6d.; 1937 bark, 57s. 6d.; 1936 bark, up to 65s. per cwt., ex store, duty paid. No shipment offered from the source.

CASTOREUM.—The annual sale of the Hudson's Bay Company was held on Wednesday, when 1,827 lb. were offered, against 1,453 lb. in 1937. The quality of the consignment was up to the average, but the grading in some respects was not quite as consistent as usual. The demand was surprisingly good and exceeded expectations, practically everything being cleared "under the hammer" with keen competition. Prices, however, with the exception of Pile 1, showed a substantial decline as against last year's values. Pile 1 showed an advance of 14s. per lb., and Pile 2 a decline of about 22s. per lb. on the average. Pile 3 and pickings were substantially lower, in comparison with the prices secured a year ago. The decline in these grades was rather to be expected in view of the exceptionally high prices paid last year on a bare market. The demand from the home trade was quite good, whilst a number of Continental buyers were present on this occasion. We give below full details of the offerings and prices realised, together with last year's prices:—

	Quality	Offered	Price 1937	Price 1938
NW ...		lbs.		
Firsts	147	84/-	96/- 98/-
Seconds	350	80/- 88/-	61/- 62/-
Thirds	848	82/- 126/-	47/-
Pickings	290	84/- 87/-	42/- 45/-
Cuttings	96	71/-	36/- 38/-
Waste	96	12/-	16/-

CLOVES.—Market is steady: Zanzibar, spot, 8½d.; shipment, December-January, 8d. per lb., c.i.f. Madagascar, in bond, 7½d.; shipment, December-January, 6½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended December 3 were 112, and the deliveries 183, leaving a stock of 406. From January 1 to date the landings of Zanzibar have been 2,429 and the deliveries 3,419. Landings of Madagascar for the week ended December 3 were nil, and the deliveries 57, leaving a stock of 675. From January 1 to date the landings of Madagascar have been 1,586 and the deliveries 3,009 packages.

COCOA BUTTER.—Rather more business reported: prime English, gd. to 10d. per lb. Foreign, 8d. to 9d. per lb., as to quantity and quality.

COCONUT (DESICCATED).—Business has been rather slow: spot, fine, 16s. gd.; medium, 17s. per cwt.; shipment, halves, December-January, 16s. per cwt., c.i.f.

Exports from Ceylon during January-September, 1937, totalled 414,000 cwt., valued at Rupees 3,311,000, compared with 428,000 cwt., valued at Rupees 5,242,000, in the corresponding period of 1937.

COD-LIVER OIL.—Bergen reports the shipment market remains quiet, but at the recent reductions the market is steadier: finest Lofoten steam-refined non-freezing medicinal oil, 86s. per barrel, c.i.f., London. Small lots, on spot, about 132s. 6d. per barrel, ex store, duty paid. British finest medicinal oil, 115s. per 25-gallon drum, delivered U.K., with rebates for 25 or more drums.

COLCHICUM.—Dealers are quoting root on spot at about 47s. 6d. per cwt., ex store.

DANDELION ROOT.—Good clean foreign root is available at about 64s. to 66s. per cwt., as to quantity and quality.

DERRIS ROOT.—Remains dull: shipment offers of 15 to 17 per cent. ether extract at 38s. c.i.f., and 4 per cent. rotenone at 55s. per cwt., c.i.f.

DIGITALIS LEAVES.—Prices are steadier: good green leaves are dearer at about 80s. per cwt., as to quantity.

ERGOT.—Some holders take a better view of the market and report steadier prices: Spanish, old crop, 4s. 1d.; one or two shipment offers at 4s. 1d., c.i.f. Portuguese, spot, 4s. 3d. to 4s. 4d.; shipment, about 3s. 10d., c.i.f. Polish, spot, about 3s. 8d. per lb., as to seller and quantity. No Russian available.

GENTIAN.—Quotations are competitive, with good clean French root about 32s. 6d. per cwt., and Continental slightly cheaper.

GINGER.—West African product continues to be quoted at cheap figures: West African, spot, 23s.; for arrival, 21s.; new crop, January-March, 20s. 6d. per cwt., c.i.f. Jamaican, spot, bold, in barrels, 65s. to 75s.; medium bold, in bags, 47s.; small grinding, in bags, 40s. to 42s. 6d. per cwt., c.i.f.

GUM ACACIA.—At the better figures the market is steadier, particularly at the source: Kordofan, cleaned sorts, spot, 39s. 6d.; shipment 35s. 6d. per cwt., c.i.f.

HENNA.—Limited supplies; the cheapest offer noted for Egyptian was 35s. for green and 30s. per cwt. for brown, ex store.

HONEY.—Market is rather dull, but quoted generally unchanged: Canadian rather unsteady, other descriptions unchanged: Jamaican, dark, manufacturing, 30s. up to 40s. for pale set. Canadian, new crop, steady at 44s. to 46s., as to quality. Californian, white clover, 47s. 6d. per cwt., duty paid. Small lots of all descriptions at higher prices.

HYDRASTIS.—A quiet spot demand at steady prices: U.S.P. spot, 13s. to 13s. 3d.; shipment, 12s. 9d. per lb., c.i.f. Root testing, 34s. alkaloids, 14s. 3d. per lb., ex store.

IPÉCAUANHA.—A better inquiry and holders seem inclined to discount former rates to get business: Matto Grosso, B.P., spot, 7s. to 7s. 1d.; shipment, steady at 6s. 9d. per lb., c.i.f.

LOBELIA HFRB.—Spot quotations are unchanged: quoted 6½d. to 7d. per lb. for good quantities.

Lycopodium.—No further alteration in spot quotations at 4s. 4d. to 4s. 6d. per lb., ex store, for treble sifted.

MANNA.—Quoted rather cheaper: finest selected flake in 1-lb. tins, 3s. 3d. per lb., ex store.

MENTHOL.—The Japanese product continues steady on spot; business limited: K/S brands, 13s. 4d.; near afloat, 11s. 7d., c.i.f. Shippers quote December 11s. 6d. and January-February 11s. 6d. per lb., c.i.f. Chinese, spot, 12s. 6d., ex store. French, 11s. 10d. per lb., landed, to come forward.

MERCURY.—No further change in quotations, with shipment at 70 dollars per bottle, f.o.b. Continent; spot, £15 4s. per bottle, ex store.

OPIUM.—Limited business, market very steady: Turkish, 13 per cent., 1s. 2d.; Iranian, 12 per cent., 1s. 1d.; Bulgarian, original cases of 170 lb., 12½ per cent., 1s. 2d.; Afghanistan, 14 per cent., 1s. 1d., all per unit, landed and duty paid.

ORRIS ROOT.—Dealers are quoting Florentine, good white, from 35s. per cwt., ex store.

PEPPER.—Forward quotations are fractionally easier, market quiet: Lampung, in bond, 2½d.; shipment, January-March, 2½d.; March-May, 2½d., c.i.f. Tellicherry, spot, 4d.; shipment, November-December, 33s. 6d., c.i.f. Aleppy, spot, 4d.; shipment, November-December, 33s. 6d., c.i.f. White Muntok, in bond, 3d.; shipment, January-March, 3½d.; March-May, 3½d., c.i.f. London Terminal Market: Black, December, 2½d.; March, 2½d.; May, 2½d.; July, 2½d. White, December, 3½d.; March, 3½d.; May, 3½d.; July, 3½d. per lb.

PIMENTO.—At the advance the market is firm: spot, 7½d. per lb.; shipment, December-January, 6½s. 6d. per cwt., c.i.f.

RHUBARB.—Good sales of rough round on spot, and supplies of this variety are now very restricted, with all the cheaper grades cleared: spot, rough round, up to 2s. 2d., as to seller and quantity. Shensi, 4s. 9d. to 5s. per lb., ex store. A parcel of rough round offered from Shanghai at 1s. 8d. per lb., c.i.f., December-January shipment.

RUBBER.—Quoted slightly lower, with the market steadier: standard ribbed, spot, 7½d.; January, 7½d.; January-March, 7½d.; April-June, 8d.; July-September, 8½d.

SAFFRON.—The spot quotation for finest quality Valencia is firm at 90s. per lb., with lower grades at cheaper prices.

SEEDS.—**ANISE.**—Spot, duty paid, Bulgarian, 44s.; Russian, 42s. 6d. **CANARY.**—Spot, duty paid, Mazagan, 16s. 3d.; Morocco, 15s. 6d.; Turkish, 13s.; Plate, 13s.; Spanish, 25s. to 37s. **CARAWAY.**—Dutch, 32s. 6d., spot, duty paid; 27s. 6d. quoted f.o.b. London. **CORIANDER.**—Morocco on spot quoted at 14s. 9d., duty paid; for shipment the market is dearer, 12s. 6d., c.i.f. now quoted. **CUMIN.**—Spot, Malta, 47s. 6d., duty free; Morocco, 45s., duty paid. **FENNEL.**—Indian, 22s. 6d. to 27s. 6d., spot. **FENUGREEK.**—Morocco, 13s., spot, duty paid, and 9s. 6d., c.i.f. **MUSTARD.**—English, 21s. to 32s., according to quality.

SENGA.—Market continues very firm; no shipment offers: spot, 2s. 9d. for bulk lots and 2s. 10d. for small parcels.

SHELLAC.—Fair business, with the market steady: spot, standard TN orange, 38s. to 41s.; fine orange, 52s. 6d. to 80s.; pure button, 47s. 6d. to 50s. per cwt. For delivery, TN, December, 37s. 9d.; March, 39s. 9d.; May, 40s. 9d. For arrival, TN, December-January, 37s. 6d. per cwt., c.i.f.

SLIPPERY ELM BARK.—Quiet, steady: 5-lb. wired bundles, selected quality, 1s. 6d. per lb., ex store.

SQUILL.—Good white is quoted from 26s. to 27s. 6d. per cwt., and some yellowish (Maltese) at about 22s. per cwt.

STRAMONIUM.—Occasional spot inquiry: spot supplies quoted at about 37s. 6d. per cwt., ex store.

TONKA BEANS.—Rather more inquiry: fair frosted Para beans, about 2s. 11d. to 3s. per lb., ex store.

TRAGACANTH.—A better inquiry for amber grades valued from £16 to £18 per cwt.; values continue steady: finest selected white ribbon, £65; No. 1, white, £57 10s. to £60; No. 2, white, £50 to £54; No. 3, white, £35 to £45; amber leaf, £32; cleaned amber sorts, £16; brown to amber leaf, £11 10s.; red leaf, £9 to £10; hoggy, £6 to £7 per cwt., ex store.

TURMERIC.—The market has not maintained its recent strong tone, but is steady as now quoted: spot, no "polished" offering; rough-coated, 29s. 6d.; shipment, "polished," 28s. 9d. per cwt., c.i.f.

VALERIAN ROOT.—Dealers are quoting spot supplies of root at 37s. 6d. per cwt., ex store.

WAXES.—**BEEF'S.**—Business has been of limited account, with the market about steady: good quality waxes, in bond, 92s. 6d.; duty paid, 100s. per cwt. Benguella, 86s. 6d., c.i.f.; in bond, 90s. Dar-es-Salaam, 97s., c.i.f., and Conakry, 86s. per cwt., c.i.f. **CARNAUBA.**—There is nothing to report, with business quiet: fatty grey, spot, 150s.; afloat, 144s.; shipment, December-January, 140s. c.i.f. Chalky grey, spot, 150s.; shipment, December-January, 137s. 6d., c.i.f. Primeira, spot, good quality, 192s. 6d.; shipment, December-January, 180s.; Mediana spot, 185s.; shipment, 177s. 6d. per cwt., c.i.f.

Essential and Expressed Oils, etc.

THE demand for these products continues very moderate, while prices are keeping steady. Australian eucalyptus has sold well on spot. Sicilian lemon and French Guinea orange remain dull. Japanese peppermint is quiet but steady.

ALMOND.—Quotations continue competitive: English-made, cwt. lots, 2s. 5d.; smaller parcels, up to 3s. per lb.; foreign, cwt. lots, 2s. 6d.; smaller parcels, up to 3s. per lb. French bitter, 6s. to 6s. 1½d. per lb.

ANISE (STAR).—Demand on spot is still very limited, but holders' prices are quite steady. No definite shipment offers. Spot, leads, nominal; tins, 3s. 6d. less 2½ per cent.; drums, 3s. 4½d., net, per lb., ex store.

AVOCADO PEAR.—Business quiet: spot, 46s. to 52s. 6d. per gallon, as to quantity.

BAY.—A few small spot orders: cases, 4s. 3d. to 5s. 3d. per lb., as to quality.

BERGAMOT.—Spot supplies are limited, with prices for genuine oil about 15s. 3d. per lb., ex store. The Consortium shipment quotation is about 15s. per lb., c.i.f. No offers of new crop.

CAMPHOR.—Very firm and in extremely short supply. A small parcel is due in London this week, but we understand most of it is already sold. No shipment offers. No Chinese oil: Japanese, white, 150s. per cwt., ex store, in drums.

CANANGA.—Business has been of little importance: spot, 4s. 9d. to 4s. 10½d. per lb., according to quantity and packing; shipment is dearer at 4s. 3d. per lb., c.i.f.

Java exports during October and January—October were as follows:—

Destination	October, 1938	Jan.—Oct., 1938
Holland	—	1,544 kg.
Holland (for order)	—	545 "
England	—	1,114 "
France	—	1,508 "
France (for order)	300 kg.	3,258 "
U.S.A.	1,050 "	2,450 "
Japan	—	1,126 "
	1,425 kg.	12,747 kg.
1937	1,726 "	17,224 "
1936	2,449 "	15,386 "

CARAWAY.—Quoted unchanged, business quiet: Dutch rectified, 7s. 3d. to 7s. 9d.; crude, 6s. 9d. to 7s. 3d. per lb., as to quantity, landed and duty paid. Some shipment offers of Russian are reported.

CASSIA.—Demand remains poor; holders' prices steady: spot, in leads, from 3s. 4d. per lb., ex store. Shipment: small offers from Hong Kong: drums 3s. 4d. and tins 3s. 6d. per lb., c.i.f., for 80 to 85 per cent. oil.

CASIOR.—Market is steady. B.P. quality, 40s. 6d. per cwt., in barrels, ex store, London; Hull, 2s. per cwt. less. Small quantities, up to 2s. 6d. per cwt. dearer. Cases, 4s. per cwt. extra.

CITRONELLA.—Shipment quotations for Java oil are stated to be slightly easier; there is little doing for this market. Ceylon oil dull and unsteady: Ceylon, spot, drums, from 1s. 7d.; smaller parcels, up to 1s. 11d.; shipment, drums, about 1s. 4½d. per lb., c.i.f. Java, spot, drums, 1s. 9d. to 1s. 10d.; smaller parcels, up to 2s. 3d.; shipment, drums, around 1s. 4½d. per lb., c.i.f.

Exports of Java oil during October and January—October, 1938, were as follows:—

	October.	Jan.—Oct.
1938	219,267 kg.	1,500,477 kg.
1937	82,957 "	1,122,191 "
1936	161,640 "	1,355,104 "

Exports during October have been very heavy, a good part of which has been shipped unsold in order to avoid the new increased cost of analysing, effective from November 1, 1938.

COCONUT.—Business fair, market firm: English deodorised, in barrels, £24 15s. per ton, ex works.

EUCALYPTUS.—Good business reported on spot, with supplies of branded oil limited; shipment is very steady: Australian, 70 to 75 per cent., tins, 1s. 2½d. to 1s. 3½d.; drums, 1s. 2d. to 1s. 2½d.; 80 to 85 per cent., drums, 1s. 6d. per lb., ex store, with higher prices for small lots; shipment, 70 to 75 per cent., tins, 1s. 1½d.; drums, 1s. 0½d.; 80 to 85 per cent., 1s. 4d. per lb., c.i.f.

GINGERGRASS.—A limited quantity of oil is stated to be available here, quoted at 7s. 3d. to 7s. 4½d. per lb., ex store.

GERANIUM.—Market is dull on spot, with quotations varying as to the quality of the oil: Bourbon, spot, 10s. to 10s. 3d.; shipment, about 10s., c.i.f. Algerian, spot, 11s. 6d. to 12s. 6d.; shipment, about 10s. 9d. per lb., c.i.f.

GRAPE-FRUIT.—Business very quiet: Californian, 10s. 3d. to 12s. Florida, 11s. to 12s. 6d. per lb., ex store, as to quantity.

HO (SHIU).—Supplies on spot are extremely short and prices very firm. No shipment offers: spot, "improved" quality, 4s. 9d.; "extra," 5s. per lb., ex store.

LEMON.—There is still little actual shipment business moving. Prompt is quoted at about 11s. c.i.f., for Sicilian hand-pressed and new crop, January, 11s. 3d. to 11s. 6d. per lb., c.i.f. Genuine oil on spot is nominal at 12s. to 12s. 3d., but it is difficult to locate supplies. Blended oils are quoted at prices from 10s. 6d. for good quantities, ex store. Californian distilled in limited supply on spot at 1 dollar 54 cents per lb. Californian cold-pressed, 9s. per lb., landed.

LIME.—Business is a matter of negotiation. West Indian distilled is nominal at 17s. 6d. per lb.

LINSEED.—Market is now firm: raw oil, in small quantities, 26s. per cwt.; boiled oil, 29s. per cwt., ex works.

MANDARIN.—Again irregular, quotations, spot and forward, depending on the quality of the oil: new crop oil for shipment is quoted in the region of 14s. 6d. to 15s. 6d. per lb., c.i.f.; spot, 16s. to 17s. 6d. per lb., ex store.

NEROLI.—Spot business reported negligible: quoted at 24s. to 27s. per oz., as to source, for small lots.

NUTMEG.—A fair amount of small spot business: Dutch and American, from 5s. 4½d. to 5s. 9d. per lb., as to quantity.

OLIVE.—Quite a good demand reported, and the market is firm as quoted: B.P., 1 per cent., 6s. 1½d. to 6s. 3d. per gallon, in drums. Edible quality, ten 1-gallon tins, in cases, 78s. to 80s.; twenty ½-gallon tins, in cases, 82s. 6d. per case; drums, 6s. 4½d. per gallon, ex store.

ORANGE.—Shipment offers of new crop French Guinea oil continue at cheap figures, but there is no rush of business: spot oil, in drums, from 2s. 6d. for single drums; re-packed, in tins, about 2s. 10d. to 3s. per lb., ex store; shipment, new crop, December-January, 2s. 1d. per lb., c.i.f. Californian, small drums, 59 cents; two or more cases, 60 cents per lb., ex store. Florida, cold-pressed, 85 cents per lb., in drums, landed, London.

PALMAROSA.—Quotations are fully steady, business quiet: spot, about 8s. per lb. for bulk packages; shipment is steady at 7s. 3d. per lb., c.i.f. Java oil is available at about 4s. 6d. per lb., ex store.

PATCHOULI.—A moderate spot demand, with some keen quotations noted: Singapore, spot, 10s. 6d. to 10s. 9d.; Seychelles, spot, about 9s.; Java oil, about 9s. 4½d. per lb., ex store, for original packages.

PEPPERMINT.—The Japanese product has sold quietly at steady prices. It is noted that so far there are no declarations for October-December goods: spot, 4s. 8d. to 4s. 9d. Japanese shippers firm, with December 4s. 6d. and January-March 4s. 5½d., c.i.f. Market sellers of October-December at 4s. 4½d. and buyers at 4s. 3d., c.i.f. American natural oil continues steady at 2 dollars 30 cents to 2 dollars 35 cents per lb., c.i.f.

PETITGRAIN.—Shipment market continues rather unsteady, while spot quotations are steady: spot, in cases, 3s. 7d. to 3s. 8d. per lb.; shipment, about 3s. to 3s. 1½d. per lb., c.i.f., as to quantity. French, to come forward, quoted from source at 950 francs per kilo.

RAISIN SEED.—Dealers' prices are unchanged: Californian, spot, 2s. 3d., to 2s. 6d. per lb., ex store, as to quantity.

ROSEMARY.—A good sale of Tunis oil is reported: genuine Spanish quoted at 3s. to 3s. 6d. per lb., as to quality and quantity. Tunis, 2s. 6d. to 2s. 8d. per lb., landed, as to quantity.

SANDALWOOD.—Genuine East Indian Mysore, in one-case lots, steady at 20s. 6d. per lb. East Indian, produced outside the province of Mysore, 18s. 6d. to 19s. per lb., c.i.f., in bulk quantities. English-made West Indian, 7s. 3d. per lb. Australian, steady at 15s. 3d. per lb. for 7-lb. tins; one case at 14s. 9d. and five cases at 14s. 6d. per lb.

SASSAFRAS.—Quite a fair demand reported: genuine natural oil of fine quality offered at 4s. to 4s. 3d. per lb., as to quantity.

SPEARMINT.—Business of little importance: U.S.P. oil, spot, about 9s. 6d.; shipment, 8s. 6d. per lb., c.i.f.

TURPENTINE (AMERICAN).—Slightly cheaper, markets steady: London stocks on November 12 totalled 28,272 barrels: spot, London, 32s. 3d.; Hull, 33s. 6d.; Liverpool, 34s. 3d. per cwt.

VETIVER.—Dealers' prices for average small spot quantities are steady: Bourbon about 15s. to 16s. 6d. per lb., and slightly less for drums, ex store. Kenya oil competitive.

Java exports during October and January—October were as follows:—

Destination	October, 1938	Jan.—Oct., 1938
Holland	150 kg.	490 kg.
Holland (for order)	132 "	253 "
France	96 "	4,392 "
France (for order)	78 "	1,502 "
U.S.A.	757 "	1,099 "
India	246 "	838 "
Japan	—	595 "
	1,834 kg.	10,121 kg.
1937	781 "	17,999 "

WORMSEED.—Not much inquiry, quoted unchanged: U.S.P. oil, spot, 11s.; shipment, 10s. 3d. per lb., c.i.f.

Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

P.A.T.A. Council Election

SIR.—We should like to express our sincere thanks and appreciation to those members of the P.A.T.A. who gave us their support during the recent P.A.T.A. Council election. The fact that some 20 per cent. of the total votes cast were given to two unknown men, coupled with the enormous number of members who were too disgusted to vote, will, we feel sure, force the P.A.T.A. Council to give more attention to the claims of those whose elected representatives they are. It will, we hope, put an end to such recent happenings as the inclusion of proprietaries on the protected list with a profit to the chemist of less than 20 per cent. In conclusion, we state most emphatically that there shall be no relaxation in our efforts to obtain a square deal for pharmacy. We intend shortly to place some interesting information before local secretaries of the P.A.T.A., and we should be glad if members would keep in touch with them on or after December 12.

Yours faithfully,

T. BERRY.
H. CRAVEN.

Sheffield.

SIR.—Kindly allow me to trespass upon your space to thank heartily the 2,071 voters who have secured my re-election to the retail section of the P.A.T.A. Council. I fully appreciate this renewed vote of confidence and shall do my utmost to justify the same.—Yours faithfully,

W. N. ARMITAGE.

Leeds.

Planning the Future of Pharmacy

SIR.—In reply to Mr. Begg's remarks in the *C. & D.*, December 3 (p. 629), about pharmacy putting her house in order, what about the following programme? (1) The chemist to keep his counter prescribing and the doctor his right to dispense medicines; (2) all existing dispensers holding the Hall certificate to be granted full legal rights and status of the pharmacist; (3) the Apothecaries' Society to come into line with the Pharmaceutical Society regarding examinations for dispensers; (4) all doctors doing their own dispensing to be under legal obligation to employ a qualified dispenser at a salary not less than £200 per annum; (5) all dispensaries to be registered and visited by inspectors; (6) all qualified dispensers to be officially registered. This programme would not produce unemployment by swelling the ranks, but should have the reverse effect, especially in the course of time. Think of the number of people carrying on dispensing without any qualification at all.—Yours truly,

HALLCERTIF (5/12).

The C.F. Scheme and Retailers

SIR.—It was pleasing to read Mr. Begg's letter in the *C. & D.*, December 3, p. 629, regarding the Chemists' Friends and the apprenticed unqualified trader. It does fall hard on the trader, and, judging from advertisements, the unqualified must be a good dispenser, window-dresser and counterman. It seems he has to carry on the whole business, and yet if on his own through adverse circumstances he is debarred from getting a living. I quote my case: Apprenticed with diploma chemist, worked behind the counter forty odd years, fell ill, was operated on, and on being restored found berth filled; signed on dole, remained on (although active) until it came to the means test. Rather than stand further degradation, a friend put up cash to find a small business to support myself. I still have the business—to find after six years restrictions on non-poison patents which had been on my usual orders. To cope with this I place £2 aside from which I buy C.F. goods and put into stock rather than fail my customer. I do not cut prices, nor would I procure for cutters, but you can easily understand that I have goods to compete with C.F. goods and by persuasion usually accepted, which is double value. There may be others similarly situated who find it harder than myself. There is one thing certain it is doing: products to fill in the gap are getting numerous.—Yours faithfully,

UNQUALIFIED (5/12).

The Insurance Medicine Bottle

SIR.—I read with interest the letter of "Panel Chemist" in the *C. & D.*, December 3, p. 629, and while many letters have appeared from time to time on this subject, I have not read one which points out that the system, in addition to being a nuisance, results in a definite financial loss. One dozen 8-oz. bottles cost 1s. 4d., and are retailed at 2s.; when returned (taking the dozen as a workable figure), they are not in a condition to be used without washing, yet the chemist pays 2s. for them and again retails them at 2s. Thus in the course of a year the original profit of 8d. on the dozen must cover the cost of washing them many times, and the time required to do so. When will the chemists assert themselves and demand a fair deal?—Yours faithfully,

ANOTHER PANEL CHEMIST (2/12).

SIR.—It is a coincidence that in the same issue in which my letter on "The Insurance Medicine Bottle" appeared (*C. & D.*, December 3, p. 629) reference is made to a similar trouble in the report from the Ulster Chemists' Association (p. 617). In this instance it was mentioned that the Ministry of Labour had complained that when a customer brought in a lemonade or other kind of bottle, the chemist simply used it, and it was suggested that chemists should refrain from this practice. This suggestion would appear to throw the blame for this procedure on the chemist, but really he has little choice in the matter. After running up a waiting list of customers who promised to return bringing a container I began to feel it was harder for the chemists to supply the bottles for nothing, and I had to make a hard-and-fast rule: no bottle, no deposit, then no medicine.

Yours faithfully,

PANEL CHEMIST (3/12).

An Unexpected Windfall

SIR.—According to my local newspaper, chemists on the County National Health Insurance panel "have just received an unexpected windfall." It is pointed out that only once in the history of National Health Insurance—"and that once so remote that no one seems too sure about it or can say when it was"—have the chemists received full payment for their services under the Act, their accounts having always been subjected to a deduction of eight or nine per cent. The reason for this, as one member explained to a meeting of the County Insurance Committee, was that there was "not enough money in the kitty" to pay the bills in full. In spite of this the chemists have carried on with only an occasional kick against the deduction. It was further pointed out that the Ministry of Health had now decided to pay in full, and the chemists' member on the Committee had "expressed thanks on their behalf." But no one was able to enlighten another member of the Committee as to where the Ministry was to get the money from to meet the bill. He feared the County Council would have to pay up. It seems extraordinary that payment in full for services rendered and goods supplied should be regarded as a windfall, but the satisfactory thing about it all is the fact that the injustice under which chemists have suffered so long is at long length being exposed. It is to be hoped that other Insurance Committees will likewise tell their immediate public what sacrifices chemists have been making all these years for the public good. It would be well to emphasise that chemists alone had to suffer for deficiencies in the "kitty." I feel sure the chemists' representative in this case took the opportunity to point the moral.—Yours truly,

OBSERVATOR (5/12).

A Warning

A man about 5 ft. 6 in. in height, with blue-grey eyes, clean shaven, wearing a trilby hat, light mac, overcoat, lemon-coloured gloves (spotted) is visiting chemists' shops asking them to order an electric shaver which he wants sent to a friend. While attention is taken looking up price list he proceeds to help himself to something of value from the shop and disappears. He draws attention early in conversation by holding a roll of £1 and 10s. notes.—W. P. S. (5/12).

Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

R. S. (2/12).—FORMALIN TREATMENT OF MASTITIS IN COWS.—Internal treatment of the complaint is directed towards the abatement of the high irritative fever which so frequently accompanies an attack of mastitis, and at the same time employing external remedies. Recently, and especially in America, internal dosages of certain remedies which are secreted by the mammary gland have been tried and it has been found that after a dose of formalin it can be detected in the milk for twenty-four hours. This excretion would be stopped in the affected gland—and only occur in the other healthy quarters—perhaps protecting them against self or outside infection. The dose varies from two drachms to half an ounce, well diluted in thin gruel or milk two or three times daily. If the animal is very feverish, one must not neglect the administration of febrifuges, and also pay attention to external treatment.

P. L. (23/11).—COBALT ALUM.—It is not quite clear which particular compound you have in mind, but the following method for preparing ammonium cobalt alum will probably be of assistance to you. A solution of ammonium and cobalt sulphates acidified with sulphuric acid is electrolysed for several days, the solution concentrated and the alum crystallised out. During the electrolysis, the solution passes through a series of changes in colour, ultimately becoming greenish-blue as a result of the oxidation of the cobalt to the trivalent state. Other double sulphates of cobalt, i.e., potassium rubidium, and caesium cobalt alums have been produced by a similar method of electrolysis, the alums forming at the anodes.

J. C. H. (2/12).—CHILL MIXTURE FOR CATTLE.—As a mixture for chills, inflammation, and so forth, in cattle, the following would be a suitable preparation:—

Liq. ammon. fort.	..	..	..	5j.
Vcl sp. ammon. arom.	..	..	..	3j.
Sp. aether. nit.	..	..	..	3vj.
Tinct. aconiti	..	..	..	5j.
Liq. carminii	..	..	..	q.s.

This may be dispensed as a concentrated mixture to be given in a pint of gruel two or three times daily.

A formula for a gripe mixture for animals is as follows:—

Ætheris	..	..	..	..	5ss.
Ol. terebinth.	..	..	..	..	3j.
Ext. bellad. liq.	..	..	..	..	mxx.
Ol. menth. pip.	..	..	..	..	mxx.
Ol. lini	..	..	..	ad	3iv.

Horse: Four ounces for single dose, two ounces if repeated, mixed with half a pint of thin gruel.

Cattle: Four ounces for single dose, three ounces if repeated, mixed in a pint of thin gruel.

Sheep: One ounce mixed with four ounces of thin gruel.

S. N. C., India (14/11).—SANDALWOOD OIL.—The oil is procured from the wood by distillation, the roots yielding the largest quantity and finest quality of oil. The body of the still is a large globular clay pot with a circular mouth, and is about $2\frac{1}{2}$ feet deep by $6\frac{1}{2}$ feet circumference at the bilge. The mouth of the still when charged is closed with a clay lid having a small hole in its centre, through which a bent copper tube about $5\frac{1}{2}$ feet long is passed for the escape of the vapour. The lower end of the tube is conveyed inside a copper receiver, placed in a large porous vessel containing cold water. When preparing the sandalwood for distillation the white or sap wood is rejected, and the heartwood is cut into small chips, and distillation is slowly carried on for ten days and nights, by which time the whole of the oil is extracted. The distillation of sandalwood is generally a matter of some difficulty. The wood is first reduced to powder, about 40-60 lb. being soaked in clean water, and then placed in a copper still. The process takes some days to exhaust thoroughly the wood. The oil is filtered and kept for a year until the impurities have settled down. The oil, especially of some varieties of sandalwood, retains an unusual amount of water which only separates at a lower temperature. The yield of oil depends largely upon the fine state of division to which the wood is brought before distillation. It has been found that prolonged contact with

water causes a decided change in the composition of the oil and greatly reduces the optical rotation.

H. H. (2/12).—EARLY CLOSING.—Nothing in any closing order made under the Shops Act prevents (a) the serving of a customer where it is proved that the customer was in the shop before the closing hour, or that reasonable grounds existed for believing that the article supplied after the closing hour to a customer was required in the case of illness; or (b) any transaction mentioned in the First Schedule to the Act. That Schedule includes the sale of "medicine or medical or surgical appliances," so long as the shop is kept open only for such time as is necessary for serving the customer. A Shops Act card is issued by THE CHEMIST AND DRUGGIST for exhibition in the window and in the shop.

E. M. Q. (28/11).—PETROLEUM CREAM.—A petroleum cream emulsified with triethanolamine can be made according to the following formula:—

Hard paraffin	..	..	..	..	25 parts
Soft paraffin	..	..	..	..	65 parts
Triethanolamine stearate	..	..	..	..	10 parts

When this preparation is mixed with 50 per cent. of its weight of water, the resulting product has the consistency of lard. The triethanolamine stearate can be prepared by mixing eleven parts of melted stearic acid with five parts of triethanolamine, both heated to the same temperature. The mixture is stirred until an homogeneous product results.

L. B. (3/12).—LIQUID SOAP.—A liquid soap for lavatory use can be prepared as follows:—

Sodium hydroxide	..	..	..	40 gm.
Potassium hydroxide	..	..	..	40 gm.
Cottonseed oil	..	..	..	500 c.c.
Alcohol (90 per cent.)	..	..	..	250 c.c.
Water	..	..	..	to 2,500 c.c.

Dissolve the caustic alkalis in 250 c.c. of water, add the alcohol, then the cottonseed oil in small portions. When saponification has taken place, complete with water to 2,500 c.c., set aside for a week, draw off the clear liquid and perfume as required.

H. A. B. (5/12).—INSULATING VARNISH.—Insulating varnishes of the quick-drying kind are made with spirit-soluble resins such as shellac, or with synthetic resins, and castor oil, Venice turpentine, synthetic plasticisers and the usual organic solvents. Slow air-drying varnishes are frequently made from phenol-formaldehyde resins, glyptals or urea resins, alone or in combination. Another variety is prepared from natural fossil resins and linseed, wood, perilla and fish oils.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," December 8, 1888

Secret Discussions

A remarkable and unprecedented circumstance happened in the neighbourhood of Bloomsbury Square on Wednesday morning. The Pharmaceutical Council, meeting for the first time in the sweetness, purity and artistic splendour of the new Examination Hall, in Grafton Place, indulged in a public discussion of over two hours' duration. The opportunity was so refreshing and unexpected that only three of the twenty-one members present succeeded in subduing the strong desire to get rid of the pent-up energy which a long period of self-imposed reticence has allowed to increase to an uncomfortable degree. The Council seemed happy after the event, every pane of the beautifully-ornamented skylight remained intact, and the atmosphere of the hall was as fresh and comfortable as it was in the early morning. It was nothing short of natural that but four should have supported Mr. Evans and thirteen opposed him; he has, however, succeeded in clearing the atmosphere, and we doubt not the result will be that in the future the Council will be more cautious in going into committee on Wednesdays. There is plenty of time for that sort of business on Tuesdays.

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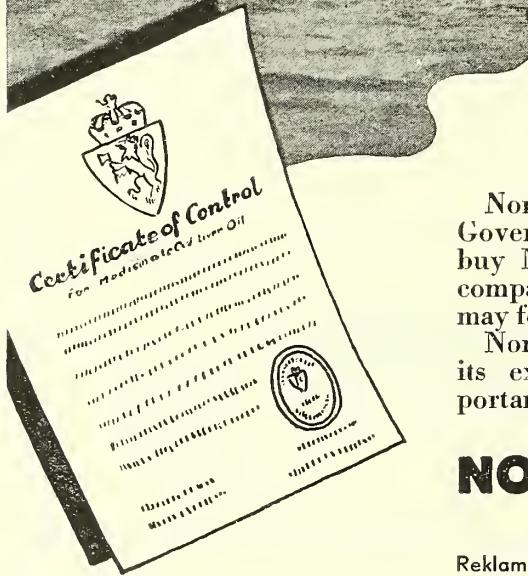
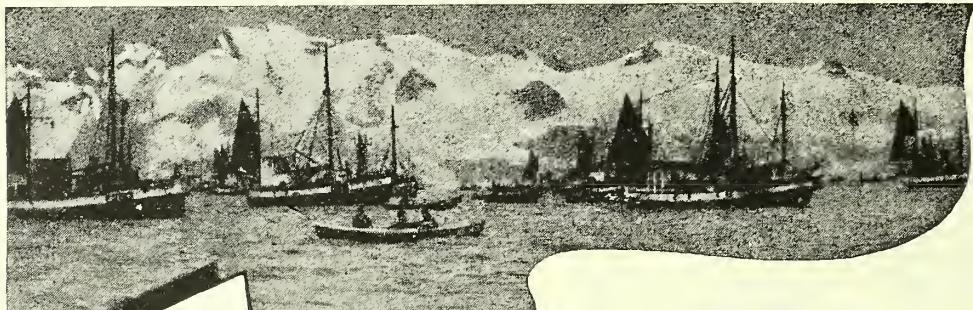
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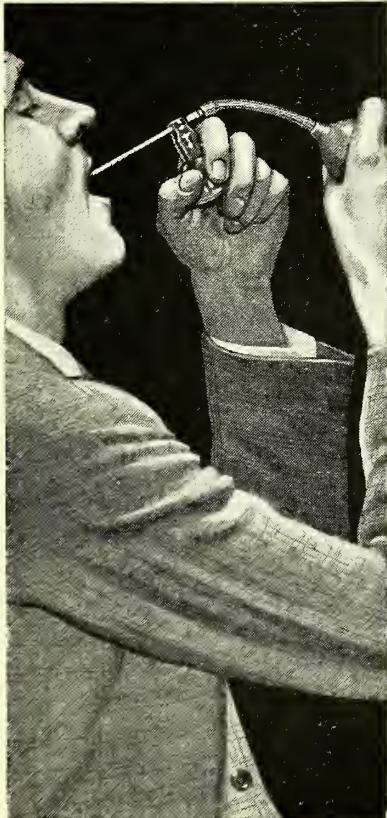
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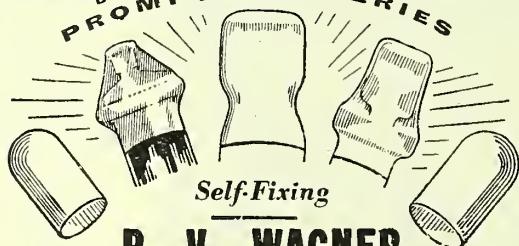
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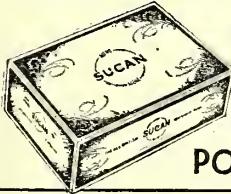
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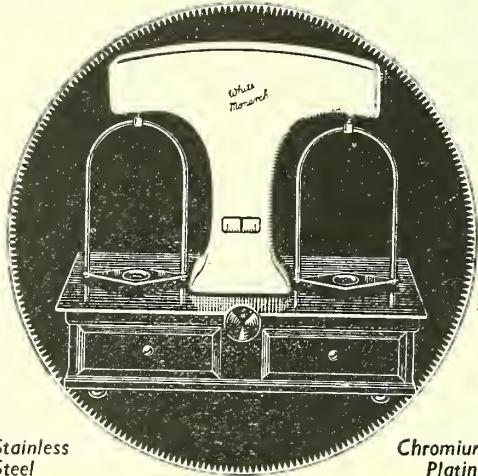


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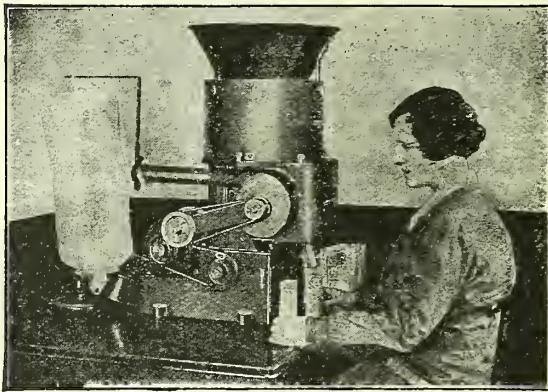
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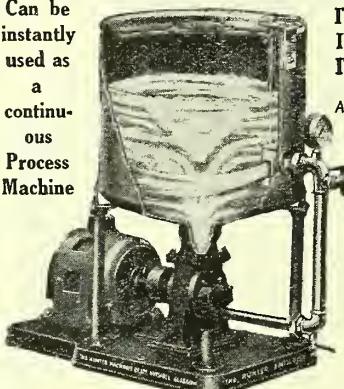


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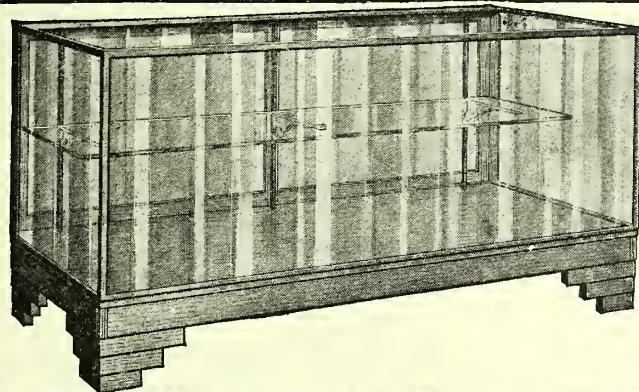
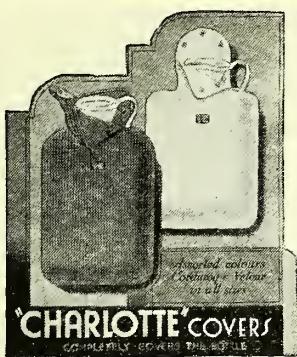
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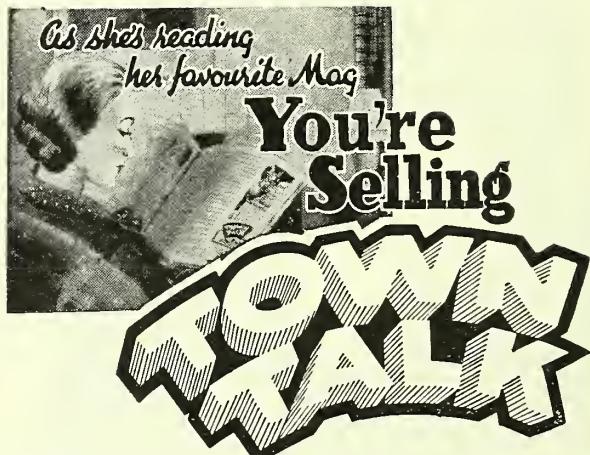
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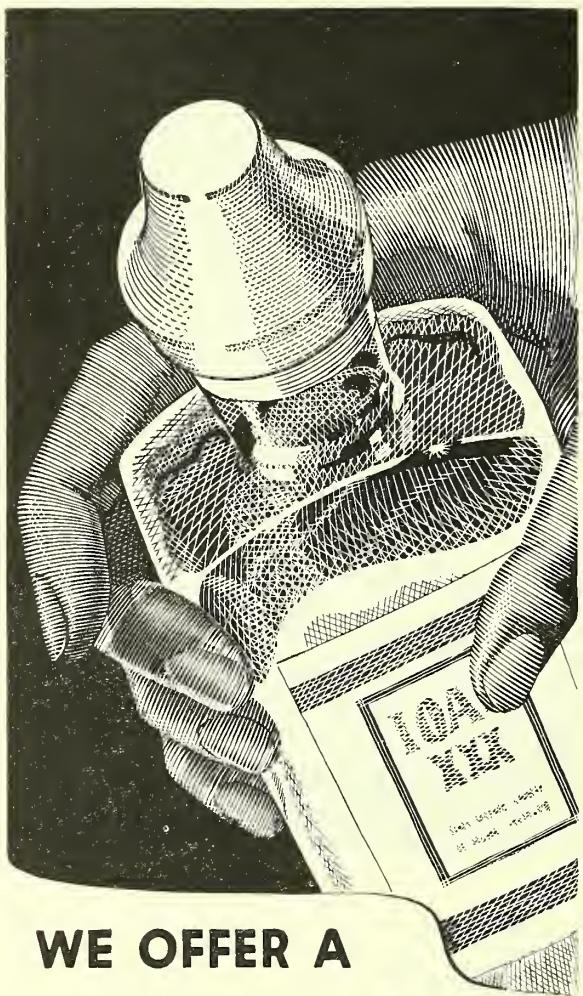
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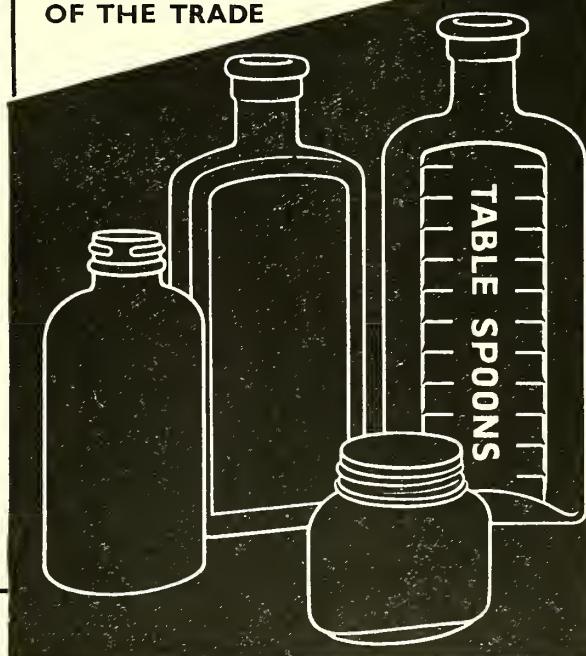
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11.—**BIRMINGHAM.**—Family Retail Business; established 12 years; takings last year £1,165; net profit £315; nice house; low rental; inclusive purchase price £650.

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LONDON, W.5.—Junior Assistant (young) required early in the New Year for high-class Dispensing business. Apply, stating full particulars, age, experience, salary required, etc., to W. A. Weston & Sons, 29 New Broadway, Ealing, W.5.

MIDLANDS.—Unqualified Assistant required; accurate Dispenser, good Counter manner. Apply by letter to Retail Staff Manager, Taylors the Chemists, 70 Vauxhall Bridge Road, London, S.W.1.

WEST OF ENGLAND.—Immediate vacancy for Unqualified Assistant in Pharmacy in good-class country town; good experience; smart on Counter. Apply, giving full information, to 538/360, Office of this Paper.

EXPERIENCED Unqualified lady Assistant required at an early date; must have had good experience in high-class Pharmacy; good Saleswoman and Window-dresser essential. Apply, with full particulars of age, experience and salary required, A. Cartwright, 25 Bell Street, Henley-on-Thames.

IF YOU ARE a Retail Chemist's Assistant with little hope of further prospects, why not become an outdoor salesman for one of the manufacturing houses? There are opportunities beyond this to become Sales Manager. Moreover, you can qualify by spare-time home study, after which you will receive introductions to SALARIED sales vacancies. Send to-day for FREE copy of an interesting 44-page book, "Salesmanship," to Wallace Attwood College, Ltd., Dept. 84, Victoria House, Southampton Row, London, W.C.1.

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JANUARY 2nd.—Unqualified Assistant required for a good-class Dispensing and Family business. Apply, with fullest particulars, age, height, references, salary required, photo if possible, to Mr. Barker, Corfe & Son, Ltd., Chemists, Maidstone.

JUNIOR Assistant wanted, January 1; suit one just finished apprenticeship; for good-class business. Please state age, height and salary required, enclosing photo, to Kinghorn, Wells, Norfolk.

JUNIOR Unqualified Assistant required for London, S.W.2, district, to commence January 2; suit Improver or Student; state experience, etc., and salary required. 110/44, Office of this Paper.

QUALIFIED.—An opportunity arises for a really live enthusiastic man (25-35) with good-class all-round experience for a London Pharmacy; pleasing counter manner essential; give fullest details and commencing salary required. 110/34, Office of this Paper.

QUALIFIED Lady Assistant for mixed country business. Full particulars to W. Phillips, Chemist, Knighton, Radnorshire.

UNQUALIFIED Junior Assistant (male) required immediately; excellent experience. Apply, giving full particulars as to salary, etc., photograph if possible, J. H. Meynell, 24 High Street, Bexley, Kent.

UNQUALIFIED male Assistant required; must be quick and accurate Dispenser, accustomed to heavy N.H.I. and brisk Counter, good Window-dresser; East London; commence immediately. Apply, stating age, salary, experience, etc., to D. Fieldgrass, Chemist, 77 Earlham Grove, Forest Gate, E.7.

WANTED.—A smart young Unqualified lady Assistant for S.E. London suburb; good appearance essential; commence January 2. Apply, stating age, experience, salary required and photo if possible, to 110/38, Office of this Paper.

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REPRESENTATIVE to call upon Hospitals, Nursing Homes and the Medical Profession in Cheshire and the Midlands north of Birmingham; applicants should state age, give particulars of past experience, whether any connexion, and if car available for travelling. Reply to 338/359, Office of this Paper.

REPRESENTATIVES wanted, on commission, selling direct to Chemists large range sundries, South London, Essex, Dorset, Devon, Cornwall; good opportunity for men with connexions in these areas. Apply 109/8, Office of this Paper.

SALES Representative required for Scotland in general requirements of veterinary Profession; connexion essential. Apply, 337/324, Office of this Paper.

TRAVELLER, with sound connexion, required by established Manufacturer of Medicinal and Toilet Counter lines; one willing to take a financial interest preferred; a good opening for a worker. 110/3, Office of this Paper.

W. A. WHARRAM, LTD., Wholesale Chemists, have vacancy for experienced Representative calling upon Medical men, Vets., Hospitals, etc., in Northern Counties; car provided; salary, commission and expenses. Address, in confidence, stating fully age, experience, territory, salary, etc., 27 Eastgate, Leeds, 2.

WHOLESALE Sales Representative required for disposal of general requirements to Veterinary Surgeons in South London; connexion essential. Apply, 338/363, Office of this Paper.

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CHEMIST Required.—Chemist, preferably single, required by well-known Manufacturers of Beauty Preparations opening a small subsidiary company in one of the Dominions; the successful candidate must be able to formulate and compound creams, lotions, emulsions, etc., and possess a thorough knowledge of this branch of chemistry; commencing salary will be moderate but sufficient, and the prospects exceptional; applications will be treated in strict confidence. Write, stating age, experience, and naming three business and two social references, 338/357, Office of this Paper.

SITUATIONS WANTED

RETAIL (HOME)

A.A.—Assistant, Unqualified (29), Scot, disengaged, desires post, Retail or Wholesaler; 4 years' indentured apprenticeship; passed Part I; 7 years' London experience; excellent references. P.C.B. 302/21, Office of this Paper.

A.—Experienced Salesman, Dispenser, prize Photographer; tall, quick; Unqualified Senior; London 10 years. MacLellan, 18 Lansdown, Stroud, Glos.

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APHARMACIST (23) wants position, anywhere; free; excellent experience, including locum manager. 28 Whalley Avenue, Penkhull, Stoke-on-Trent.

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AN Unqualified Assistant (40), married, desires engagement; good Salesman, Window-dresser and experienced Dispenser; free now. T. S., 18 Wharfside Gardens, Thornton Heath, Surrey.

ASSISTANT, Unqualified (24), desires position; sound experience, including Dispensing, Veterinary, Photography, Window-dressing. 110/12, Office of this Paper.

CAPABLE Conscientious, Qualified Chemist desires permanency; 9 years' experience high-class Dispensing, heavy N.H.I.; Counter and Window-dressing; go anywhere. Gunston, 126 Barnsley Road, Stairfoot, Barnsley.

CAPABLE Lady Dispenser, Hall, experienced in Book-keeping, Specimen Testing, seeks post with Doctor, Hospital. "Dispenser," 8 Leinster Square, Bayswater, W.2.

CHEMIST, Qualified, long experience as Branch Manager and well up in all branches of Pharmacy, desires position as Manager, London or Southern Counties; willing to work single-handed if necessary and live on premises if desired. 110/24, Office of this Paper.

CHEMIST-OPTICIAN, F.B.O.A. (39), wide experience; seeks post; excellent testimonials; view succession considered. 171 Fernhead Road, Queen's Park, W.9.

DISPENSER SECRETARY (Hall); seven years' excellent experience Panel and Private practices; London and districts; Typing, Surgical Dressings. Apply, 16 Gledwood Crescent, Hayes, Middlesex.

GOOD-CLASS Pharmacist desires appointment, London, two or three days weekly. Apply 110/42, Office of this Paper.

KEINTISH Mau, Unqualified (30), single, London experience, good Salesman, Window-dresser, seeks post in London after Christmas; Counter work chief duties. 110/16, Office of this Paper.

LONDON or Near.—Pharmacist (22); 5 years' good-class Dispensing; now free; keen interest; Hospital, Manufacturing or Retail. Williams, 35 Markville Gardens, Caterham, Surrey. (Caterham 549.)

MANAGER or Assistant, Qualified, over 20 years' experience in Dispensing, Counter work and Photography; permanency or Locum; excellent references, Bray, Chemist, Long Sutton, Lincs.

MANAGER, Qualified, with excellent record of successful branch management, requires situation where hard work, initiative and experience will be suitably rewarded; can be free at short notice; exceptional references. 110/110, Office of this Paper.

M.P.S., SINGLE, desires post, managerial or other; unique address and address; £5 or £4 10s. and 2 unfurnished rooms; free January. P.C.B. 302/26, Office of this Paper.

M.P.S. (26), experience as Manager, Counter, N.H.I. and high-class Dispensing, Photographic, etc.; temporary or permanent. Pharmacist, 27A Clarence Terrace, Barking-side.

M.P.S. (42), good appearance and address; healthy, active, irreproachable character; Veterinary, Optics, Photographic, including own D. and P.; good Window-dresser; country, suburban and hospital; 20 years' experience. 104/5, Office of this Paper.

NORTH WALES.—Manager, would accept Assistantship if prospects; abundant personality; hard, genuine worker; experienced Photo, Optics, Veterinary, Ciné. 103/14, Office of this Paper.

PHARMACIST, good experience, excellent references, desires re-engagement; Manager or Senior; Dispensing and Counter. 110/8, Office of this Paper.

PHARMACIST (23) desires post; good experience Dispensing, Photography, Counter and Window-dressing; London district preferred; free now. M.P.S., 26 Stockwell Park Crescent, S.W.9.

PHARMACIST (23; over 6 ft.) seeks progressive post with Pharmaceutical scope; wide all-round experience; unimpeachable references; Bristol or Birmingham preferable, but not essential. 109/1, Office of this Paper.

PHOTOGRAPHY.—Young man (24), with wide experience Photo and Ciné Sales, also Dispensing, Counter, etc., desires change, anywhere; at present in Lancs. 110/13, Office of this Paper.

QUALIFIED, male (28), single, requires post in good-class business; excellent all-round experience, especially Dispensing; free now. 110/6, Office of this Paper.

QUALIFIED Young Lady requires post as Assistant in good Family Business; experience Dispensing, Toilet, Photographic; tall; excellent reference; free January; South or East preferred. Miss Fenton, "Bocking," Knox Gardens, Clacton-on-Sea.

QUALIFIED (22), capable Dispenser, Agricultural and Veterinary experience, desires situation, London or South Wales preferred. "Capenor," Grangetown, Cardigan.

QUALIFIED (23), good Dispenser, capable Window-dresser and Counterman, requires progressive position; free one month. 109/2, Office of this Paper.

QUALIFIED (24), requires position in Essex or near; good education and experience; excellent references. "M.P.S.," Dunmirk, Wash Lane, Clacton-on-Sea, Essex.

THREE Months' position required by Qualified experienced Chemist; wages not of paramount importance. Apply P.C.B. 302/29, Office of this Paper.

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CHEMIST, Locum or permanency; experienced; recommended; disengaged December 16; London or Provinces; anywhere. Chemist, 24 Hillside Crescent, South Harrow, Middlesex.

F. di MENNA, 44 Fagley Road, Bradford; temporary or permanent; experienced; Qualified. Phone: Bradford 7678.

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PHARMACIST (24), energetic, conscientious, 7 years' experience Retail, Manufacturing, Hospital, desires progressive indoor post with reputable London Wholesale firm; medallist; excellent references. P.C.B. 302/25, Office of this Paper.

REPRESENTATIVE, Qualified, Therapeutics, Veterinary and Medical; experienced Salesman. Particulars first letter. 110/27, Office of this Paper.

REPRESENTATIVE, Qualified, young, energetic, good appearance, a first-class Salesman and Propagandist, desires position in Lancashire; own car. 110/19, Office of this Paper.

REPRESENTATIVE (28) wishes to join well-known house; smart appearance; educated; Salesman; own car; Birmingham and Midlands preferred. 109/3, Office of this Paper.

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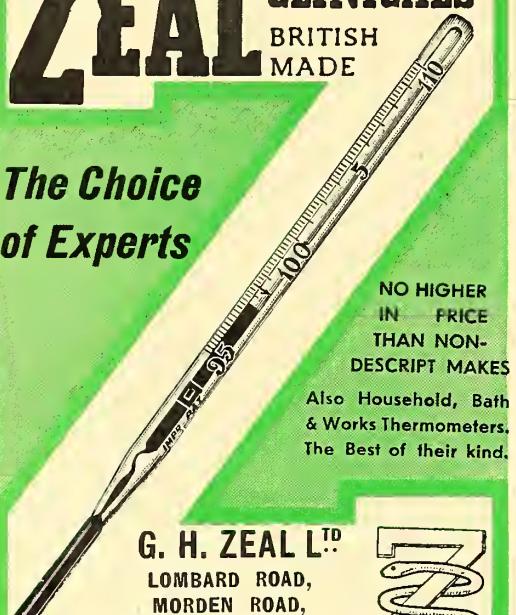
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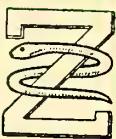
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